AD	ı			
AL				

Award Number: DAMD17-99-1-9581

TITLE: Global Grid Telemedicine System: Expert Consult Manager

PRINCIPAL INVESTIGATOR: Jerrold H. May, Ph.D.

CONTRACTING ORGANIZATION: University of Pittsburgh

Pittsburgh, Pennsylvania 15260

REPORT DATE: October 2000

TYPE OF REPORT: Annual

PREPARED FOR: U.S. Army Medical Research and Materiel Command

Fort Detrick, Maryland 21702-5012

DISTRIBUTION STATEMENT: Approved for public release;

Distribution unlimited

The views, opinions and/or findings contained in this report are those of the author(s) and should not be construed as an official Department of the Army position, policy or decision unless so designated by other documentation.

REPORT DOCUMENTATION PAGE

Form Approved OMB No. 074-0188

Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing this collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503 3. REPORT TYPE AND DATES COVERED 2. REPORT DATE 1. AGENCY USE ONLY (Leave Annual (1 Oct 99 - 30 Sep 00) October 2000 blank) 5. FUNDING NUMBERS 4. TITLE AND SUBTITLE DAMD17-99-1-9581 Global Grid Telemedicine System: Expert Consult Manager 6. AUTHOR(S) Jerrold H. May, Ph.D. 7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) 8. PERFORMING ORGANIZATION REPORT NUMBER University of Pittsburgh Pittsburgh, Pennsylvania 15260 E-MAIL: Jerrold.Rumph@amedd.army.mil 9. SPONSORING / MONITORING AGENCY NAME(S) AND ADDRESS(ES) 10. SPONSORING / MONITORING AGENCY REPORT NUMBER U.S. Army Medical Research and Materiel Command Fort Detrick, Maryland 21702-5012 11. SUPPLEMENTARY NOTES Report contains color graphics. 12a. DISTRIBUTION / AVAILABILITY STATEMENT 12b. DISTRIBUTION CODE Approved for public release; Distribution unlimited

13. ABSTRACT (Maximum 200 Words)

The Artificial Intelligence in Management (AIM) Laboratory of the Katz School of Business, University of Pittsburgh will employ AIM Lab personnel and consultants to design, develop and test a prototype of the following US Army Medical Research and Materiel Command (USAMRMC), Telemedicine and Advanced Technology Research Center (TATRC), Knowledge Engineering Group (KEG) Artificial Intelligence Research and Development efforts:

Task 1: Design, Development and Prototyping The Expert Consult Broker of GGTS

The AIM Lab will employ a combination of cognitive science, computer science, artificial intelligence, and management science methodologies to perform the task. The Principal Investigator will ensure that each task is analyzed and broken down into individual components which will be then further analyzed for specificity and applicability. Once this is accomplished, the principal investigator will apply current and state-of-the-art processes to improve each component. Once accomplished, the task will be reengineered in an iterative fashion.

14. SUBJECT TERMS Artificial Intelligence	15. NUMBER OF PAGES 473		
Consult Broker, Teleme	16. PRICE CODE		
17. SECURITY CLASSIFICATION OF REPORT	18. SECURITY CLASSIFICATION OF THIS PAGE	19. SECURITY CLASSIFICATION OF ABSTRACT	20. LIMITATION OF ABSTRACT
Unclassified	Unclassified	Unclassified	Unlimited

NSN 7540-01-280-5500

Standard Form 298 (Rev. 2-89) Prescribed by ANSI Std. Z39-18

Table of Contents

Cover
SF 298
Introduction
Body
Key Research Accomplishments1
Reportable Outcomes
Conclusions
Appendix 1 Gilbert, May, Vargas, and Brienza, "The Global Grid Telemedicine System Consult Broker," AIM Lab Working Paper number 101
Appendix 2 May, Vargas, Johnson, Gilbert, and Illi, "Global Grid Telemedicine System," presented at ATA Fourth Annual Meeting, Salt Lake City, Utah, 1999
Appendix 3 May, Vargas, Gilbert, Illi, Rocca, and Jacobs, "GGTS Consult Broker," presented at the ATA Fifth Annual Meeting, Phoenix, Arizona, 2000
Appendix 4
Gilbert, Illi, Baker, Brienza, Rocca; Vargas, and May, "Global Grid Telemedicine System (GGTS)," presented at the ATA Fifth Annual Meeting, Phoenix, Arizona, 2000
Appendix 5
Summary of naive text classification experiments on teledental and medical data
Appendix 6 Code listing for Teledental Consult Broker Prototype12

Introduction

The Artificial Intelligence in Management (AIM) Laboratory of the Katz School of Business, University of Pittsburgh will employ AIM Lab personnel and consultants to design, develop and test a prototype of the following US Army Medical Research and Materiel Command (USAMRMC), Telemedicine and Advanced Technology Research Center (TATRC), Knowledge Engineering Group (KEG) Artificial Intelligence Research and Development efforts:

Task 1: Design, Development and Prototyping The Expert Consult Broker of GGTS

The AIM Lab will employ a combination of cognitive science, computer science, artificial intelligence, and management science methodologies to perform the task. The Principal Investigator will ensure that each task is analyzed and broken down into individual components which will be then further analyzed for specificity and applicability. Once this is accomplished, the principal investigator will apply current and state-of-the-art processes to improve each component. Once accomplished, the task will be reengineered in an iterative fashion.

Body

As detailed in section 5.1 of the approved Statement of Work, Phase I of award DAMD 17-99-1-9581 included six tasks:

- 5.1.1 Develop a conceptual model of a telemedicine consult management system operating within a dynamic military The model will address the ways in which environment. consult routing could occur, as in CB-LRCE. Wherever possible, the consult broker will access information regarding dynamic environmental aspects by querying the Combat Service Support Control System - Medical component of the Army Global Command and Control System. The model worldwide medical reflective of current should be consultation management practices and past experience in both the military and civilian sectors.
- 5.1.2 Select one or more knowledge representation schemes to implement the model.
- 5.1.3 Instantiate sufficient domain knowledge to enable a structured consultation process walk-through to be demonstrated to a peer review panel composed of physicians and knowledge engineering professionals from military and civilian academic organizations.
- 5.1.4 Demonstrate that the conceptual model of 5.1.1 together with the domain knowledge of 5.1.3 represented as in 5.1.2 is capable of functioning as an effective and reliable consult manager.
- 5.1.5 Prepare and deliver expert system model specification.

5.1.6 Prepare and deliver verification, validation and operation prototype test plans.

In this part of our report, we describe our accomplishments associated with each of those tasks. Six documents, attached as appendices, provide the details referred to in this section.

Those documents are:

- Appendix 1. Gilbert, May, Vargas, and Brienza, "The Global Grid Telemedicine System Consult Broker," AIM Lab Working Paper number 101;
- Appendix 2. May, Vargas, Johnson, Gilbert, and Illi, "Global Grid Telemedicine System," presented at ATA Fourth Annual Meeting, Salt Lake City, Utah, 1999;
- Appendix 3. May, Vargas, Gilbert, Illi, Rocca, and Jacobs,

 "GGTS Consult Broker," presented at the ATA Fifth Annual

 Meeting, Phoenix, Arizona, 2000;
- Appendix 4. Gilbert, Illi, Baker, Brienza, Rocca; Vargas, and May, "Global Grid Telemedicine System (GGTS)," presented at the ATA Fifth Annual Meeting, Phoenix, Arizona, 2000;
- Appendix 5. Summary of naive text classification experiments on teledental and medical data; and
- Appendix 6. Code listing for Teledental Consult Broker Prototype.

We chose to pursue a data driven approach to Tasks 5.1.1 through 5.1.6 rather than a top-down system development methodology. In other words, we decided to use whatever information could be found that related to at least partly fielded and used Army

telemedical systems as the basis for developing a prototype in a narrow application area. Such a narrow-but-deep strategy could help us appreciate and integrate characteristics that are critical for system acceptance and functionality. The primary risk of our strategy is that what we learn from a narrow application domain may not generalize to other parts of telemedicine, but we considered the benefits of being able to rapidly develop a prototype and to learn from its construction made that an acceptable risk.

In order to pursue a data-driven strategy, we required data. The group at TATRC that was associated with the Army's Teledental system had about 500 e-mail records from their Internet-based system, as was willing to share those records, properly sanitized, with us. We began to receive parts of their data at the beginning of January 2000, and had a complete data set approximately one month later. The teledental data included the text from Form 513 for each patient and the location and code number for the consultant who responded to the request, but not the reason(s) why that particular consultant was chosen or chose to respond.

Task 5.1.1.

A preliminary conceptual model for the Consult Broker, including four possible interface designs, is described in Appendix 2. After receipt of the Teledental data, we further developed that model, specialized in part to characteristics of the Teledental environment. The refined model is discussed in Appendix 3, Appendix 4, and Appendix 1. The computer expression of the conceptual model is fully described in Appendix 6. The interrelationships between the Consult Broker, and a possible

network environment are discussed in Appendix 5 and in Booz-Allen Hamilton (2000).

Task 5.1.2.

We chose to represent knowledge structures such as consultants, units, and facilities using objects, and data as instances of those objects. A text description of the representation is included in Appendix 1, and its computer realization in Appendix 6.

Task 5.1.3

Based on analyses of the Teledental data and discussions with TATRC personnel, we first identified three distinct types of teledental consultations.

Type 1: The requester is primarily interested in referring the patient to the consultant, and has asked for a consultation in order to find the best match for that referral. The primary goal of the requester is thus administrative, not medical.

Type 2: The requester fully intends to treat the patient himself, but has encountered complications or problems that are outside of his experience or expertise. The purpose of the consultation is to give him the additional information necessary to permit him to carry out his treatment of the patient. The primary goal of the consultation is medical, not administrative.

Type 3: The type of request is intermediate between types 1 and 2. The request is initially medically oriented, but the requestor will continue treatment only if the problem turns out to be within his expertise, even after having been provided with additional information from the consultant. If the problem is too difficult for the requester, he is interested in referring the patient to the consultant for further treatment.

¹ Booz-Allen Hamilton (2000), "GGTS Implementation Plan."

The type of consultation affects both the way in which the Consult Broker should be expected to interact with the requester and the amount and type of information the requester can be expected to provide to the Consult Broker. In a Type 1 consultation, geographic proximity of the consultant to the requester could be very important, because the patient is going to be handed off from the requester to the consultant. Depth of expertise on the part of the consultant is much more salient in a Type 2 consultation. A request for a Type 2 consultation is more likely to have specific likely procedures identified than would be a Type 1 consult. For example, a Type 1 teledental consult might be as simple as a request to find the nearest oral surgeon so that a patient can have an impacted wisdom tooth extracted. In a Type 2 consult, the requester is more likely to be able to provide the specific CDT procedure code(s) the patient would require.

As detailed in Appendix 3, we developed six scenarios for possible teledental consultations. They are:

Scenario 1: Peacetime, with consultants in their default locations, and the requester able to provide as least the specialty required

Scenario 2: Conflict, in which deployable units may be located in other than their default locations, but with peacetime organizational rules

Scenario 3: Scenario 2, but with special organizational rule for communication and patient movements

Scenario 4: A Type 2 consult in which there is a trade off between immediate consultant availability and specific prior experience

Scenario 5: A consult in which the specific expertise requested is new to the system, and the Consult Broker has to use its knowledge of dental procedures to identify patients most

similar to the new consultation (case-based reasoning on patient records)

Scenario 6: A consult request in which the requestor is not exactly certain of the specific expertise necessary, so that the Consult Broker is expected to provide the names of consultants with similar expertise as well as those with exactly the expertise requested (case-based reasoning on consultants).

Appendix 3 shows the prototype system's behavior, and the interface screens that result, from all six scenarios. The consultation process for those scenarios was demonstrated to an audience of physicians and knowledge engineering professionals at the ATA 2000 national meeting in Phoenix, AZ.

Task 5.1.4.

The demonstration of effectiveness and reliability of the conceptual model and its computer implementation as a standalone system would require our having access to a data set in which the choice of consultants to match requests was based on the criteria desired by the Army, and for which those criteria were fully disclosed to us. To demonstrate its effectiveness in a larger network environment would require the development of at least a prototype of that larger environment.

Task 5.1.5

The model specification, for at least the teledental application, is described in Appendix 1 and Appendix 6.

Task 5.1.6

This task also requires that we be provided with suitable data.

Key Research Accomplishments

- Development of a prototype teledental consult broker
- A metric for case-based reasoning based on a multidimensional scaling of similarity judgments of procedures
- A naive Bayesian classifier for extraction of administrative information from technical medical text

Reportable Outcomes

Gilbert, May, Vargas, and Brienza, "The Global Grid Telemedicine System Consult Broker," AIM Lab Working Paper number

May, Vargas, Johnson, Gilbert, and Illi, "Global Grid Telemedicine System," presented at ATA Fourth Annual Meeting, Salt Lake City, Utah, 1999,

May, Vargas, Gilbert, Illi, Rocca, and Jacobs, "GGTS Consult Broker," presented at the ATA Fifth Annual Meeting, Phoenix, Arizona, 2000,

Gilbert, Illi, Baker, Brienza, Rocca; Vargas, and May, "Global Grid Telemedicine System (GGTS)," presented at the ATA Fifth Annual Meeting, Phoenix, Arizona, 2000,

Summary of naive text classification experiments on teledental and medical data, and

Code listing for Teledental Consult Broker Prototype.

Conclusions

Our progress to date on this award demonstrates that we have been able to conceptualize, formalize, and implement the technical aspects of a Consult Broker for the Global Grid Telemedicine System. Using techniques from artificial intelligence and statistics, we have successfully represented both data and knowledge for a teledental prototype, and have shown that our prototype is capable of supporting decision making in a variety of scenarios. We have also begun the process of generalizing the teledental model to the more general medical domain, primarily through our experiments in using naive classification to extract what an administrative system, such as the Consult Broker, needs to know from technical medical text.

Progress beyond this point in the development of the Consult Broker will be limited by the availability of adequate data and adequate administrative knowledge, rather than by technical difficulties associated with implementation. With the apparent hiatus in further work on the originally envisioned network environment for the GGTS, a specific delineation of the place and role of the Consult Broker within the larger Global Grid environment is necessary. Such a delineation would define what type of telemedical systems would be supported by the Consult Broker, and the way in which users would be expected to interact with the Consult Broker. If those systems are ones that are at least partly implemented, then data from them and a thorough description of the medical administration of the teleconsultation processes associated with them is critical for Broker development, testing, verification, Consult If systems to be supported by the Consult Broker validation. are also only at the planning or prototype stage, descriptions of those systems' intended architecture and the test cases to be used for their testing, verification, and validation, would aid permit us to design a Consult Broker that would be compatible with those systems.

Appendix 1:

THE GLOBAL GRID TELEMEDICINE SYSTEM CONSULT BROKER*

Gary R. Gilbert

University of Pittsburgh and USAMR&MC\TATRC

Jerrold H. May Luis G. Vargas

Katz Graduate School of Business AIM Laboratory University of Pittsburgh

^{*} This research has been supported by grant number DAMD 17-99-1-9581 to the University of Pittsburgh.

1. INTRODUCTION

Global Grid Telemedicine System (GGTS) The proposed global telemedicine command and control system (Zajtchuk and Zajtchuk, 1996) that will enable telemedical consultations to occur anywhere in the world, regardless of location or transportation medium. The objectives are to: leverage the extensive military national command communications facilities throughout the world to provide global telemedicine support to US and allied worldwide; (2) provide a transparent fully-integrated backup military communications network to commercial facilities; and (3) develop a computer assisted consultation routing system that maximizes world-wide projection consultation support from medical consultants and subspecialists located at military and civilian medical centers The concept envisions throughout the United States. sophisticated network management tools that efficient use of military and civilian communications infrastructure at bandwidths, protocols, security levels, specific telemedicine modalities appropriate to applications. A key component is an intelligent global teleconsultation routing and management system capable of minimal requester provided from very determining, information, the type and location of consultant needed, the protocol conversions required, the priority of need, and the optimal network routing to facilitate connectivity.

Concept for Global Grid Telemedicine System

For the last several years, the Department of Defense has implemented numerous rapid prototyping and integration efforts as part of the DoD Telemedicine Testbed at Fort These prototypes were continuously Detrick, Maryland. evaluated in Joint Technology Demonstrations, in Battle Labs Advanced Warfighting Experiments and other joint service exercises. Contemporary military operations in the Balkans and the Middle East have also offered realvalidate emerging telemedicine world environments to Although much work has been done, technologies. military health system currently does not have an effective method of linking health care providers and diagnostic diagnostic, treatment, a seamless systems into evacuation capability. Health care personnel at all

echelons of care must be able to communicate with each other by audio, video, and electronic media, so maximum utilization of expert consultant skills, diagnostic capability, treatment regimens can be quickly and state-of-the-art resuscitation, implemented to provide care, and enhanced evacuation. Integration of existing and emerging digital communication technologies into patient care system, beginning with the individual soldier and continuing throughout the health care continuum, will system to project the military health preventive medicine and treatment necessary to improve the sustainability of the future military force. In addition, health care in special operations and military operations (e.g. humanitarian and peacekeeping other than war missions) will be enhanced by the utilization of these technological innovations. The timing of this need is based on ongoing joint telemedicine advanced technology demonstrations and advanced warfighting experiments that have demonstrated that integrating emerging information management technologies into the health services mission area will significantly improve combat casualty care.

Traditionally, the military medical community has had very limited access to tactical and strategic communications assets. In addition, the increased employment of telemedicine technologies by the US. military has led to haphazard growth of stovepiped, leased commercial communications networks to support military telemedicine applications. These networks are excessively expensive, inefficiently designed to meet global-needs, and illequipped to assist end-users in routing teleconsultation and medical messaging traffic to appropriate destinations. As global telemedicine operations are incorporated into US military medical doctrine for world-wide deployments, increased access to tactical and strategic communications assets for the military medical community is becoming essential.

In order to address these changing operational requirements and to enable the DoD to leverage rapidly emerging technological innovations, the concept of a Global Grid Telemedicine System (GGTS) was conceived. The GGTS will match, in real time or store-and-forward mode, remote or deployed medical personnel or facilities requesting telemedicine consultation support with provider facilities at major military and civilian medical centers. It also

and manages the connectivity required establishes support the consultation session as well as security fire walls to enable communications from forward tactical forces including special operations forces operating well behind Medical sub-specialty consultants lines. generally based at medical centers in the United States and accessible through a variety of commercial or adequate multilevel security features networks if enable connectivity. The two key components proposed GGTS system are the Consultation Broker Server, and the managed Communications Networks consisting of a Requestor Network on one side of the Consultation Broker, and a Provider Network on the other side. The primary function of the GGTS is to match remote, deployed medical facilities requesting telemedicine consultation support with provider facilities around the world, and to establish manage the connectivity required to support and Consult providers, individual subconsultation session. primary medical facilities, specialty physicians at "register" with the GGTS Consult Broker when they are available to receive consult requests within their area of expertise. Remote forward deployed medical facilities (afloat or land-based) submit consult requests to the GGTS Consult Broker specifying the classification of the medical issue and the type of telemedicine session required. The Consult Broker will then match the request with appropriate registered provider and establish or schedule a real-time consultation session between the two (Provider Node and Requestor Node) or forward a store-andforward consultation request to an appropriate consultant and return the results to the requestor. It will also manage the Requestor and Provider Network communications resources available to the GGTS to provide bandwidth, quality of service, and security for concurrent rapidly Because of telemedicine sessions. changing requirements for strategic communications bandwidth throughout the entire DoD, the GGTS network will designed to leverage military bandwidth when available and transparently switch to commercial bandwidth on-demand when other DoD strategic and/or tactical priorities preempt telemedicine applications.

This paper concentrates on the Consultation Broker (CB) component of the GGTS operationalized using Artificial

Intelligence methodologies. The CB is an object oriented global teleconsultation system designed to route incoming requests for consultation to the appropriate "on duty" medical personnel. The CB must have sufficient ingrained "intelligence" to determine - in real time- the type of consultant needed from very minimal requester provided information, and to determine protocol conversions needed, priority of need, and optimal network routing to facilitate connectivity.

Previous research within the Army indicates telemedical practice requires "standards of utilization" (Walters, 1996). Significant controversy exists over what modalities offer telemedical various consultation process, what minimum information is needed for consultations, and how that information should be presented to the consultant. There are also debates over which medical sub-specialties require what information media or telemedical modalities: store-and-forward versus real-time video consultations, high resolution still images versus full motion video clips, radiology and pathology images versus radiology and pathology reports, and telephone consultations versus e-mail. Calcagni et al. (1996) and Clyburn et al. (1998) provide some experiences with the use of telemedicine. However, insufficient empirical data or hard analysis yet exists to make definitive recommendations by sub-specialty. Therefore an important function of the CB system should be to collect and analyze information on the telemedicine consultation process.

Walters (1996) identified a number of objective and subjective questions that should be asked about each telemedicine consultation in order to determine how best to In addition to considering what telemedical execute it. modalities are appropriate for each case, Walters' list of questions includes basic patient demographic data (e.g., nationality), and name. date, location, age, consultation specific data (e.g., the specialty, physician's what he/she is asking consultant, consultation urgency, subspecialties requested, type of equipment used or available, history of present illness, and current differential diagnosis). Walters information extracted and retained from consultant's reply, such as the adjusted diagnosis and In treatment recommendations. her research, employed a physician reviewer who addressed questions such as, How sick was the patient? Did the consultation change the diagnosis, treatment, or duty status of the patient or effect the outcome? What type of communication modality was needed by the consultant to reply to the consultation? Walters found that two patterns of consultation referral developed. The first involved physicians consulting on conditions outside of their own specialty. The second involved specialty physicians consulting with subspecialists or specialists with greater expertise in the requestor's own specialties.

Reporting on the Army telemedicine experience in the republics of the former Yugoslavia, Navein et al. (1996) observed that quality of service (response time, quality of consultation, expertise of consultants, etc.) was the most significant factor in the choice of consultant consultation routing was left to the prerogatives requesting physicians alone. Even though the Armv considered that "best practice" would dictate consultations be directed to the "referral center" hospital to which it wanted patients to be evacuated, deployed physicians generally directed consults to the medical center providing the best telemedicine service.

2. THE NETWORK ENVIRONMENT

Booze-Allen Hamilton (1999?) observed that the GGTS, at its highest level, is a system that manages a medical information exchange network in the support key military health service support processes. The GGTS accomplishes this through the use of 4 distinct elements operating through a managed interface to the network. In addition an underlying GGTS communications network is employed to facilitate the interaction between each of the elements of GGTS. Figure 1 shows the relationship between five health service support "pillars", the medical support net, and the GGTS network, elements.

The GGTS is composed of four distinct functional nodes: Field, Requestor, Broker and Provider. Each one of these nodes provides a specific interface to the communications network that supports medical operations across the Operational Continuum. In addition to providing interfaces, each node also contains a specific set of functionality that helps enable the GGTS to manage the communications network.

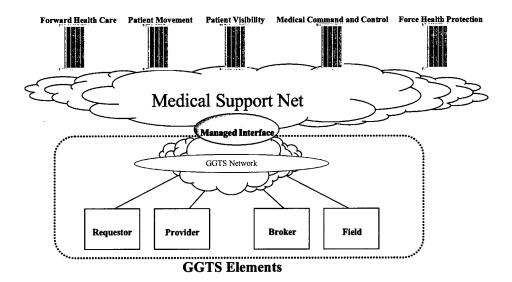


Figure 1. GGTS Support to Five Medical Business Processes and Interfaces.

The Field Node is most commonly associated with the end-user of GGTS. The end-user can anyone from a first responder and forward deployed medics to medical command and control and medical space awareness personnel. It is the Field Node that provides the initial gateway through which medical information and services may be requested. This node accomplishes three tasks:

- Gathering medically relevant information from the patients and facilities.
- Make available relevant information about patients and facilities, and
- Initiate Tele-medicine Consultation Sessions by establishing a connection with the GGTS Requester Node.

The Requestor Node's primary duty is to act as the central gathering point for Field Node requests and to maintain communications links with the Broker and each Field Node it is responsible for. Thus requestor acts a form of mediator between the Broker and each Field Node for which it is responsible This node serves as the Central point of contact for all Field Nodes in the assigned area of responsibility by processing User Requests to Start Applications, retrieve information and begin Teleconsultations, maintain communication with Broker Node and Field Node/Units, reallocate bandwidth among numerous Field

Nodes, maintain the Status of the Communications Equipment, Format/Transmit Request Messages to Consult Manager in Broker Node, and if possible assign Medical Specialty and establish the required and Requested Bandwidth and Duration of the consultation.

The Broker Node is the "Brains" of the GGTS. As shown in Figure 2 it is sub-divided into four separate managers. Each one being responsible for a different management aspect of the GGTS.

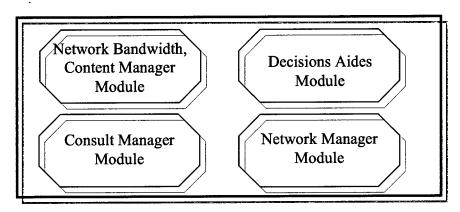


Figure 2. GGTS Broker Node Managers

At a high level, the Borker Node performs the following brief list of functions:

- Receive consultation requests from Consultation
 Requester Node
- Match requests with appropriate Provider node
- Use Medical Artificial Intelligence (AI) to satisfy Field Node requests
- Network management
- Determine physical communications link and topology
- Establish / Maintain permanent path between broker and requester base nodes.
- Dynamically reallocate bandwidth as required
- Maintain numerous ongoing sessions, and
- Establish a connection.

The Network Manager Module is responsible for monitoring the communications networks allocated to the GGTS. It provides continuous topology information to:

- The Network/Bandwidth/Content Manager Module
- The Decision Aides Module

The Network Bandwidth/Content Manager Module is a multi facetted module that manages not only the bandwidth assigned to the GGTS but also the content of the information flowing across its allocated networks. The main functions attributed to the module are:

• To Generate/Execute Bandwidth Reallocation Commands based on input from

the Network Manager and Consult Manager Modules ;

 To Monitor and Display the Status of the Consultation Provider Nodes,

the System performance(e.g. error rate, QoS) of On-Going Consultations

and the Available Bandwidth in the entire system; and

• To Monitor and Manage Prioritized Content sent across the network.

The Decisions Aides Modules provides the Broker a set of tools and functionalities designed to help facilitate its decision making process. These tools can be anything from additional rule sets to automated software applications that keep track of specific data and information. Among some of the functionalities it is worth to mention we have:

- Support the interpretation of relationships between system dynamics and user priorities;
- Help to determine optimal utilization of available resources such as Communication and Medical Assets, Specific Paths/Links, Available Equipment, and Satellite Footprints;

- Provide Direction to Network Bandwidth Manager Module (through Consult Manager) in Allocating Communication Assets;
- Evaluate Consultation Requests Against: Provider/Field Node Profiles, Communications Availability, Request Priorities, and Other Mission Specific Rules.

The Consult Manager is the part of the Broker that determines which Medical Providers best meets the stated request from a Field Node. The main tasks of this module are to:

- Receive/Prioritize Consultation Requests;
- Querie Decisions Aides Module for requested system performance (e.g. error rate, Quality of Service (QoS), Availability);
- Notify Consultation Providers of incoming Consultation Requests;
- Prepare/Transmit Network Configuration Messages/Responses;
- Coordinate Consultation Request Information among other Consultation Broker Server Modules; and
- Determine which providers to assign to which consultation request.

The Provider Node is the part of GGTS that interfaces with those locations that contain the requested medical support applications or medical personnel as stated in a Field Node Requests. It is the job of the Provider Node to enable these medical personnel and applications to interact effectively with the requesting Field Node. It is in charge of:

- Processing Requests to Start Applications;
- Receiving/Processing Incoming Consult Warning Message and Configuration Messages;
- Configuring Collocated Communications Equipment;

- Hosting, whenever appropriate, Telemedicine "Applications" or Interface With Them as External Systems;
- Launching Applicable/appropriate Telemedicine Applications or Interface with Them;
- Facilitating medical personal interaction with the Consultation;
- Loging all Consultation related information into a database;
- Maintaining Interface/Communications with the Broker Node;
- Allocating Bandwidth among Provider Node Workstations; and
- Maintaining Provider User Machine Interface.

In order for the GGTS to effectively perform its functions, each functional node of the GGTS needs to be able to communicate with each other. This is accomplished through the use of a GGTS network that enables each node to connect to each other. Figure 3 shows the relationship of each of the functional nodes with regards to each other and the communications network.

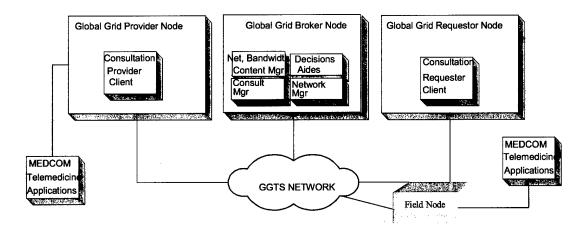


Figure 3. GGTS Element Relationship

An emerging information architecture doctrine for the Department of Defense, called Global Information

Grid (GIG) is based on a military concept called "Network Centric Warfare" (NCW). NCW is defined as superiority-enabled of information concept operations that generates increased combat power by networking sensors, decision makers, and shooters to achieve shared awareness". Information superiority is the capability to collect, process, and disseminate an uninterrupted flow of information while exploiting or denying an adversary's ability to do the same. NCW is to "translate information objective of superiority into combat power by effectively linking knowledgeable entities in the battle space". The GIG was born out of concerns regarding interoperability and end-to-end integration of automated information systems within the Department of Defense. unified "system-of-systems", the GIG is the enabler of information superiority. The GIG is the globally interconnected, end-to-end set of information capabilities, associated processes and personnel for collecting, processing, storing, disseminating managing information on demand to warfighters, policy makers, and support personnel.

The NCW concept is also the basis of the emerging "net-centric" architecture for military medical military Net-centric operations operations. built around command, control, operations are (C^4I) computers, intelligence communications, and systems with the specific goal of supplementing or replacing directed linear point-to-point information flows with network centered information flows similar A distributed network centered to a message board. information architecture serves as both a collection center for information from those generating it, as well as a source of information for those needing it, without a pre-planned or required communications link between information generators and information users. Communications systems are traditionally described in terms of send and receive architectures. While any information flow from the communications technical architecture perspective involves a "send and receive" information flows from net-centric concept, architecture perspective involve operational information contributions (new inputs and updates) and queries (requests with accompanying information Within net-centric operations many of the outputs). information deposits will be of the "transmit and

forget" nature (those inputting the information will not be concerned with who uses it), while many of the information queries will be "blind" (those requesting and using the information will not be aware of its In order for the GGTS medical information source). and communication support network discussed above to be efficiently and securely implemented within the Military Global Information Grid, and also be flexible enough to accommodate spontanenous, random, requests, and all four Consultation consultation implementation alternatives discussed Section 4 below, a net-centric architecture approach that supports "transmit and forget" input and "blind query" output, is essential.

Likewise, under all four Consultation Broker alternatives, the Consultation Broker must have a way patient, consultant, represent requestor, consultation site information, with the level detail necessary dependent in part on the alternative and a way to represent actual and elapsed chosen, Much of the patient information can time. described numerically. ICD9 diagnostic codes could be used by the requestor to convey possible patient problems and for the consultant to refine differential diagnoses, confirm diagnoses, or modify diagnoses. ASA codes could be used to describe the severity of the patient's condition and its rate of deterioration. Patient demographics (age, sex, etc.) could also be communicated either numerically or by menu choice that would be coded numerically by the CB. information could consultant and site using ranges of ICD9 codes for represented specialties, subspecialties, and consultation histories. The data also must be represented in a way that is compatible with its reasoning methodology.

Booze-Allen Hamilton (1999?) proposed to analyze each functional requirement and to generate a specific set of Those rules would then form the basis upon rules for it. which consultation and communications asset allocation decisions would be made. Rule generation would be an iterative process, with the rules being modified as the complexity of the GGTS system development increases. GGTS would have a rule manager module, a rule-based expert interprets relationships that between system

dynamics and user priorities. The rule manager module would apply its rules to determine the optimal utilization of available resources (both communications assets and medical personnel) and to provide direction to the Network Bandwidth Manager Module to dynamically allocate communications assets.

In their approach to the CB, the rule manager module would have the following functions.

- 1. Evaluate requests against user and facility profiles, communications availability, request priorities, and other mission-based rules;
- 2. Provide responses to requests from the Consult Manager Module;
- 3. Provide recommendations to the Consult Manager Module if quality of service or level of service parameters cannot be met;
- 4. Track network resources through interface with the Network Bandwidth Manager and the Network Manager Modules;
- 5. Collect status/topology information from the Network Manager Module;
- 6. Determine potential connectivity for paths, links, available equipment, and satellite footprints; and

Determine connection set-up options such as virtual path / virtual circuit (VP/VC), bandwidth, ATM Adaptation Layer (AAL), and Forward Error Correction (FEC).

Regardless of the system alternative architecture the Consultation Broker must work in close conjunction with a network system manager (see Figure 4). The network system manager tells the CB what types of teleconsultations are feasible at a particular point in time, and handles all administrative functions necessary to initiate and sustain the chosen connection for and INTELSAT's successful Telecom duration. France telecommunication of hardware management development systems using G2 (ref for G2) and a rule-based approach support the contention that a similar methodology would likely be appropriate for the GGTS network system manager. The type of knowledge necessary to have an effective

Consultation Broker, though, is sufficiently different from that involved in a network system manager that we expect that other reasoning approaches would be more effective for the CB than would be a rule-based methodology.

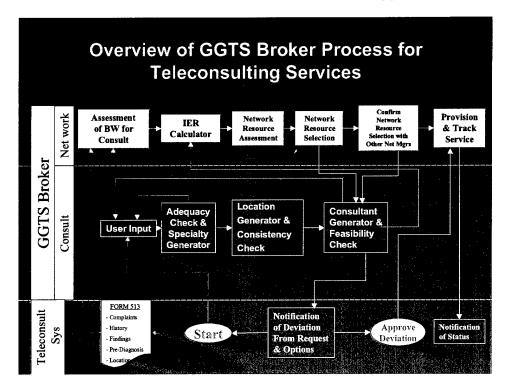


Figure 4

Rules are an effective way of representing and acting on knowledge when the action (the right-hand-side) parts of rules are static and deterministic results of The primary hardware condition (the left-hand-side) parts. a telecommunication network do not change components of frequently, the hardware's behavior is highly predictable, and the physical processes by which the network functions are well understood. As a result, a written procedures define manual could be constructed to the behaviors person should follow if the network were to be managed The written procedures manual should be adequate manually. to cover almost all decisions that would have to be made as long as the network is functioning normally. A rule-based system is the computer-based equivalent of such a written procedures manual. Reasoning with and about time complication in telecommunications management, but G2 has a proven track record for such problem domains, as mentioned earlier, so that a rule-based artifact using that product is a good strategy for the GGTS network system manager.

The Consultation Broker's task of matching requestors consultants requires reasoning in rapidly changing situations in which procedures are subject to preferences as well as firm guidelines. The decision environment changes because the pool of available consultants changes frequently. The experience and expertise of consultants who remain in the system evolve over time, and consultants' availability may change on a daily or hourly basis. advantages to routing all patients with similar problems to the same consultant, because the consultant might then be able to detect patterns of occurrences that There are also advantages to utilizing are problematic. multiple consultants for a set of patients with similar that more than one individual has problems, so expertise and experience to deal with each type of problem. Rules are good for representing knowledge of the (conditions) THEN (actions) type, where the same thing is always done when the same situation is encountered. are not as good for knowledge of the type IF (conditions) THEN USUALLY (actions) UNLESS (more conditions) IN WHICH Telecommunication network management CASE (actions). should be primarily of the former variety. We expect that those aspects of the CB's problem that are based on medical considerations are primarily of the latter; portions of the CB's reasoning that are based on absolute institutional directives might better be represented by rules.

alternatives or situations in In Consultation Broker must select a consultant, its task to choose the most appropriate one of a finite set alternatives. Αt least two methodologies, case-based reasoning and statistical classification, might apply to such a choice decision in a rapidly changing environment of the type outlined above. Case-based reasoning reasons Ιf enough consistent analogically from experience. experiences exist, then it is efficient to codify the behavior pattern into rules. The same would be true for principles of the field. Medical reasoning, though, traditionally of the case-based variety, so the approach well onto conventional behaviors. Case-based reasoning, because it retains all experiences as opposed to found in those experiences, has the only regularities ability to "learn" from what it does, if we consider remembering to be the most fundamental aspect of learning. Statistical classification also has the potential resolving the CB's problem, if sufficient data and an adequate data model could be found.

3. CASE-BASED CLASSIFICATION

"A case-based reasoner solves new problems by adapting solutions that were used to solve old problems...Case-based reasoning means reasoning from prior examples." (Riesbeck and Schank, 1989, page 25). Case-based reasoning (CBR) relies on analogy as its basic technique. A CBR system relies on a case base that includes a relevant set of past experiences, each stored as a description of a problem paired with the solution to it. To solve a new problem, a case-based reasoner typically first retrieves from the case base the case whose description most closely matches that It then extracts the solution to the of the new problem. case retrieved from the case base, adapts it if necessary, and then adds the new case plus its solution to the case Smyth and Keane (1998) argue that the retrieval of the most similar past case may not necessarily yield the one that is best suited to solving a new problem, and that deeper knowledge is required to determine what previous experience is most relevant.

conceptual representation of human problem As the CBR approach is very attractive. "remembers" all of its experiences. Unlike rule-based systems, it works well on problem domains that are poorly understood, for which there is only weak domain theory, and that are dynamic over time. A rule-based system provides answers and explains its reasoning by documenting the rules it used. A CBR system provides precedents, and explains it reasoning by citing a precedent. A CBR approach is thus attractive for problem domains, such a legal reasoning, in which human arguments traditionally proceed by citing precedents. A set of cases might be used by a discovery learning system to extract regularities and rules; Corruble and Ganascia (1997) for an example of machine learning in a medical context. Kohno et al. (1997)combined rule-based and case-based systems, with the user and the CBR system detecting and correcting mistakes made by the rule-based system. Their architecture combines problem solving and knowledge acquisition, with the casebase serving to improve the rules.

CBR has traditionally been applied to static reasoning problems. Ram and Santamaria (1997) proposed an extension of the approach to continuous domains, such as ones in which sensor data is the basis for reasoning. They were interested in robot navigation. Medical problem solving that requires tracking information over time, such as

ventilator management, might also benefit from their formalization. Spyropoulos and Papagounos (1995) evaluate various AI models used in medicine, and discuss their ethical and methodological limitation.

CBR has been used for classification generally, as surveyed by McKenzie and Forsyth (1995). Other CBR applications in classification include Evans and Winter (1995) and Petersen (1997).

To be effective, a CBR system must be able to retrieve the proper past case from its knowledge base and must be able to adapt the retrieved case's solution to the new problem if need be. The adaptation difficulty can avoided by selecting classification, as opposed synthetic, tasks, because it is logical to identify a new case with those cases to which it is most similar, so that Classification requires no adaptation may be necessary. recognition of features; synthesis requires the ability to construct an artifact from a specification. Most CBR work focuses on classification tasks, an area in which there are statistical techniques available, such as discriminant analysis, as well as neural network models and tree-In a study comparing CBR, linear induction approaches. discriminant analysis, and neural network models for a medical classification task (Musgrove and Davies, 1995, quoted in Watson, 1998), a CBR model performed better than a neural network did, and the neural network did better than linear discriminant analysis.

While adaptation might be avoidable, retrieval is not. Retrieval of a case from a case base is similar conventional database retrieval, in that a set of critical features must be defined for each record (case) to be and an effective and efficient algorithm for included. searching the data (case) base when desired, but differs from it in that database retrieval returns exact matches and CBR retrieval seeks to find the nearest match. selection representation, that is, the the characteristics for indexing cases, is a particular difficulty for CBR applications, such as legal opinions or medical records, in which cases use natural language. Representation should be less problematic for applications such as the Consultation Broker, for which the information in a case could be solicited using a menu with no openended entries. Note that certain case descriptors may be measured on at least an interval scale, such as age, some on an ordered categorical scale (ASA classification of the

patient), and others on an unordered categorical scale (ICD9 diagnostic code(s), doctor requested for consult, medical center requested for consult).

Retrieval of the most appropriate case from the case base requires a metric that can, at a minimum, for any new case and two past cases, determine which of the two past cases is more similar to the new case. The metric might be a weighted combination of distance measures for each of the descriptors individually, or it might be a multivariate function of the descriptors. For the Consultation Broker, the more difficult descriptors to use in a metric are those measured on an unordered categorical scale. Of the patient the ICD9 diagnostic codes are the descriptors, important categorical information. The tree structure that underlies the ICD9 taxonomy may provide a natural metric for determining how similar two ICD9 codes are.

4. CONSULTATION BROKER APPROACHES

We identified four distinct approaches to the way in which the Consultation Broker might determine the most desirable match of consultant to requestor. Regardless of the alternative chosen, the Consultation Broker needs the following components to make it operational:

- A list of all potential consultants by name and by specialty;
- A list of sites providing consultation;
- A link to a network manager that indicates what modes of teleconsultation are feasible between a requestor and all consultation sites at the current time, and which will enable the teleconsultation once its participants have been determined;
- An interface to collect relevant information from the requestor, designed to make that information as complete and as internally consistent as possible;
- An interface to present the requestor's information to the consultant in an effective fashion; and
- A time-keeping capability and a time-based event trigger, to monitor the progress of the teleconsultation

and to initiate actions necessary to guarantee that any mutually desired and feasible consultation will actually take place.

The approaches differ primarily in the degree to which the computer system controls the brokering process: (a) the "active broker" alternative, (b) the automatic alternative, (c) the e-board alternative, and (d) the "yellow pages" alternative.

a. The Active Broker Alternative (AB)

This alternative uses the CB solely to relay from the requestor and about potential information consultants to a human, who is neither the requestor nor a potential consultant. That third party makes assignments, using the data provided by the CB. The "intelligence" in the CB under this alternative is in the selection of information to be presented to the human assigner, and in the way in which that information is presented to the human so as to make the assigner's behavior as efficient and effective as possible. Under the Active Broker alternative (Figure 5), the human in charge assignments functions somewhat like an air-traffic controller, monitoring and managing the requests teleconsultation as they are matched up with consultants.

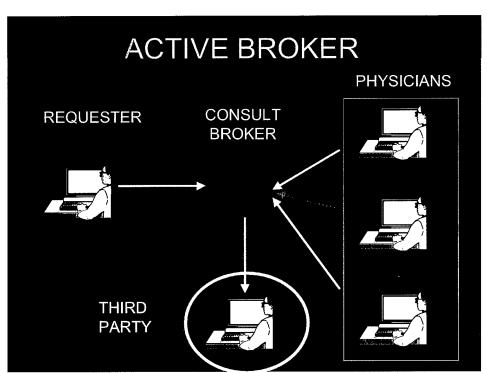


Figure 1

b. The Automatic Alternative (AU)

Automatic Alternative (Figure Ιn the 6), Consultation Broker behaves in an autocratic fashion, deciding on a match without user intervention. The CB may use one or more methodologies, such as those that use past experience (for example, case-based reasoning), statistical a database (e.g., classification), analysis of electronic procedures manual (e.g., rule-based reasoning) as appropriate. Independently of the methodology used, the Automatic Alternative requires as inputs knowledge of:

- detailed profiles of consultants, and a list of consultants available at the time of the consultation,
- detailed profiles of all sites providing service,
- the list of cases requesting consultations,
- a uniform coding of cases, past and present, and
- at least one assignment methodology.

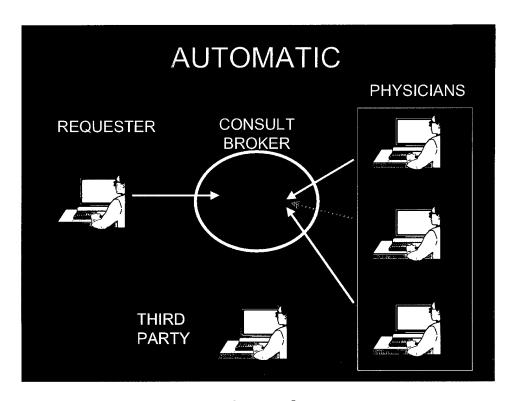


Figure 6

c. The Electronic Board Alternative (EB)

Requests for consults are posted on an electronic bulletin board (Figure 7), and the consultants select the cases in which they want to participate on a first-come-As the requests are posted, the CB first-served basis. alerts all consultants in the requested specialty of the availability of a new case. If a case is not selected by any consultant within a time period that is a function of the urgency of the case, the CB assigns it in an autocratic fashion, as it would in the automatic alternative. that the consultants decide on the case assignment in this The requestor may ask for a particular alternative. institution or a particular physician, but it is respondent who determines if that particular match-up The CB's role in supporting the matching process occurs. is limited to notification to all potential respondents, and provision to them of the information from the requestor so that they can make up their minds. In addition to the functionalities of the automatic alternative, which are needed if no consultant chooses to respond to the request for a consult, to implement the e-board alternative the CB requires that:

- the requests must be disseminated to all provider nodes along with all the data available for the consultation, and
- the blackboard must be kept in real time.

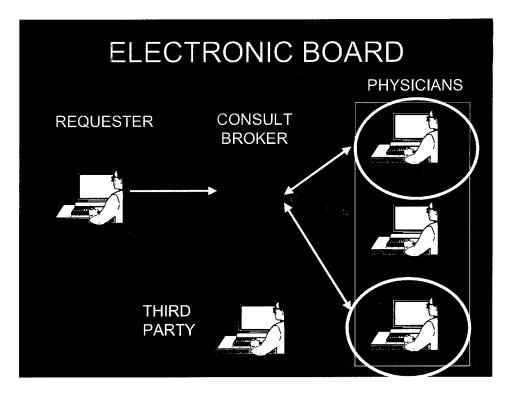


Figure 7

d. The Yellow Pages Alternative (YP)

As opposed to the e-board alternative, in which the is the decision-maker, the "yellow pages" consultant (Figure 8) alternative puts the requestor in charge of selecting the consultant. The CB assists the requestor by supplying a list of available consultants (the "yellow pages" listing) together with background information that might be useful in making a selection (the "yellow pages ads"). As in the e-board alternative, the CB would have to take charge and make a selection of a consultant if the requestor did not do so within an appropriate length of The CB must also be capable of making the assignment if the requestor asks the CB to do so. In addition to the functionality of the automatic alternative, and a timekeeping functionality as in the e-board alternative, to implement the "yellow pages" alternative the CB would need:

- detailed profiles of all consultants along with their history of clinical work,
- detailed profiles of all sites providing service, and

- the ability to present the correct subset of the above information to a requestor in real-time in a useful format.

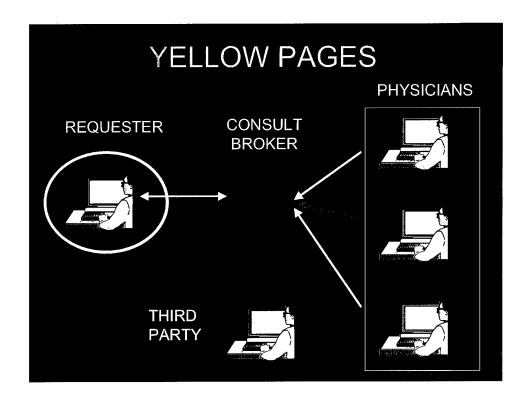


Figure 8

5. AN EXAMPLE USING A TELEDENTAL PROTOTYPE

To illustrate how the GGTS may function when it is eventually fielded, we developed a functional prototype using data from a dentistry communication system (TDENT) currently used by the US Army. Although the Army's TDENT system is purely a store-and-forward e-mail system, the data generated from it contains useful information to model and explore some of the behavior and features of GGTS.

We used objects and classes to represent the information contained in the TDENT records. In the US Army TDENT system, those data are usually electronically introduced using a standard form (Form 513). The fields of the dentistry system contain patient demographic data, patient location, referring physician data and location,

(complaint, medical data history, exam findings, preliminary diagnosis and treatment), specialist/consultant data and location, dental procedure codes (CDTs) diagnostic codes (ICD9s). For example, the patient in Figure 9 with fictitious first name (fn59) middle initial and last name (ln59) was involved in two prior consultations. Thus, the patient object for FN59 E. LN59 contains links to the previous consultations, c1637 Each consultation is an instance the c1642. consultation class.

Firstname: MI: E Lastname:	fn59 SSN: In59	DO : SES	1,000	Military Status: Military Bank: Patient ID:	20 E4	Phone Number: Home Phone Number:	
	Consults:	c1642	New Cons		59		
rienous	Consums.	c1642 c1637	Well Solis	uno.			
						- 4 - 1	
]		444	

Figure 9. A patient instance

Figure 10 shows the information contained in the structure of consultation c1637. The information in a consultation is divided into three categories:

- patient demographic and medical information, displayed in the upper half of the consultation information dialog in Figure 10,
- specialty, diagnostic and procedural codes displayed in the lower left, and
- specialist/consultant information such as diagnosis, suggested treatment, and specialist demographic data and location, displayed in the bottom right panel.

Every consultation (known as an encounter in the medical arena) creates an object with the information displayed in Figure 10. Dental images could be attached to the patient record if desired.

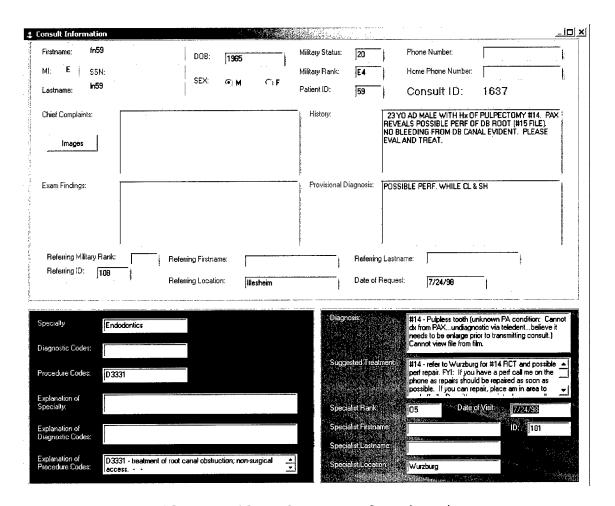


Figure 10. Details of a consultation instance

Each specialist, meaning a potential consultant, belongs to the class "doctor" which contains information about the specialist's demographic information (location, unit to which assigned, if appropriate) and involvement with prior consults in the data base (past consults, procedures (CDTs) and problems (ICD9s) addressed in those consultations). Figure 11 is an example of a doctor with ID# 101.

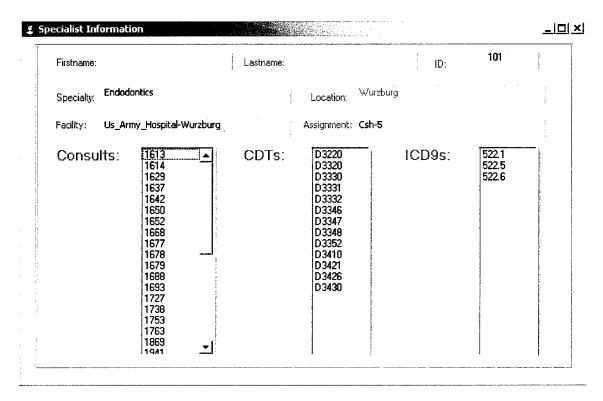


Figure 11. An example of a consultant

Doctor 101 is an endodontist who is assigned to (the hypothetical) unit combat hospital Csh-5. Note, from Figure 11, that Doctor 101 is the person who handled consultation c1637. "Unit" is also the name of a class, and each actual unit is an instance of it. The information represented in the instance for Csh-5 is shown in Figure 12. Csh-5 is a deployable unit, so that it and/or Doctor 101 might not always be associated with the same brick-and-mortar facility. As shown in Figure 12, Csh-5 is currently located at the U.S. Army hospital in Wurzburg, Germany.

cility Information		e po-					
Facility: CSH-5	-						
Service: Army	:	Type:		***************************************			
City: Wurzbu	rg		:	Latitude:	49.8	Longitude:	-9.933333333
State:				Deploymer Location:	t Wurzb	urg	
Country: USA		<u> </u>	:	Modality So	pported:		(.
Code1:			:				
Code2:		. м	:				
				Close		Clear	Save

Figure 12. An example of a unit

Facilities are also represented as objects because we need to know things about them in order for the Consult Broker support decision-making. Each actual to be able to facility is an instance of the "facility" class, includes information such as its geographical location (longitude and latitude), its type (clinic, hospital, and so on), and the type of teleconsultation modalities it can Figure 5 shows the data for a hypothetical support. hospital at Wurzburg. The modality information shown in Figure 13 is for illustrative purposes only, and we do not claim that it describes the capability of the actual U.S. Army hospital in Wurzburg. Other than latitude and longitude, the information about the specific facility is not accurate and it is only used for the purpose of illustration. A similar object exists for the facility to which the consultant is assigned in case of combat.

acility Info	ormation							_ 0
Facility:	US_Army_Hospital-Wo	ırzburg						-
Service:	Army	Туре:	Hospital					
City:	Wurzburg			Latitude: 49.8	3	Longitude:	-9.933333333	<u>-</u>
State:				Deployment Location:	Wurzburg		in and the second second	
Country:	FRG			Modality Support	Sto	lio/Video re/Forward		
Code1:	APO AE 09244				Ema	ail		
Code2:					1			
				Close		Clear	Save	,]

Figure 13. An example of a medical facility

simplest type of support provided by Consultation Broker is for it to function as a database lookup system, similar to a yellow pages directory. such a case, the requestor chooses the "heading" under which to "look up" doctors, and uses to system to identify potential consultants, ordered either by their proximity or by their experience. The Broker doesn't try to comprehend the nature of the medical problem, but does collect the Form 513 information provided by the requestor so as to help facilitate the consultation process. Figure 14 shows (rendered appropriately anonymous) example from TDENT system. In Figure 14, the requestor asked for Oral Surgeon without specifying any likely procedural codes. The Broker, in Figure 15, offers a list of available consultants, where "consultant" in this case means anyone listed as being an oral surgeon. The list of oral surgeons in Figure 15 is sorted in order of increasing circle) current distance from the requestor's location. Because the Broker's knowledge base includes information about where consultant's units are currently located, it adjusts the proximity list if consultants are deployed away from their default locations. The user could have asked, instead, for the list to be sorted by the number of prior consults in the database. If the requestor had specified procedural codes, the lists returned by the Broker would be limited to specialists with experience in exactly those codes (if there is such data in the knowledge base) or from those with experience in the most similar codes (if there are no exact matches in the knowledge base).

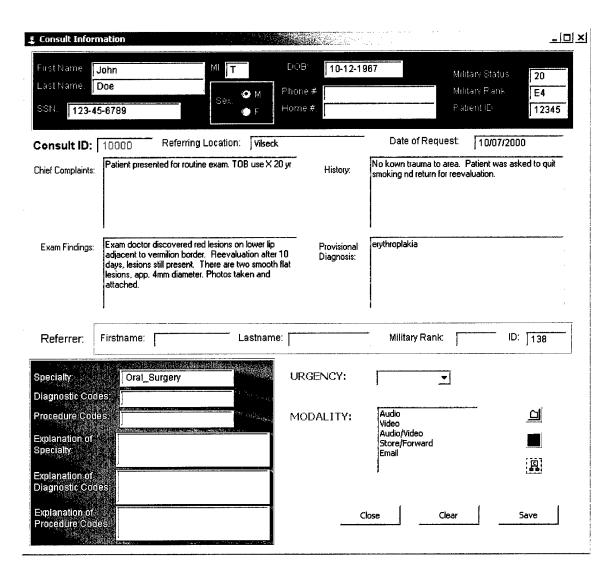


Figure 14. A user request for an Oral Surgeon

Referring Location:	Vilseck		•	pecialty:	Oral_Pathology	•	CDTs:		
Service:	Army		▼ ^	foda l ty:		 .		Find	
CDTs by Spe	ecialty:	DIAGNOSTICS PREVENTIVE RESTORATIVE ENDODONTICS PERIODONTICS PROSTHODON	5	MOVARI F					
									<u> </u>
	Distance Experien	SP SP SP	EC230 EC366	, Landst , Rota, (, Bethes	Juhl, (12 consults (1 consult) da, (3 consults) IC, (36 consults)				

Figure 15. Broker response to a request for an Oral Surgeon, Yellow Pages alternative.

Recall that in Yellow Pages mode, the requestor is the decision-maker. The Broker presents its relevant knowledge to the requestor, and waits for the requestor to choose a consultant. Once the requestor does so, the Broker hands off the request to the system components that manage the requestor-consultant interaction. If the Broker is to make the decision, as it would in the Automatic Mode, it works its way down the list of specialists in conformity with organizational rules and preferences. If a human third party, neither the requestor nor the consultants, is to make the decision, in Active Broker mode, the Consultation Broker presents its lists to that human, and waits for that Finally, in Electronic Board mode, the human's decision. consultants are the decision-makers, so the Consultation Broker would post the Form 513 information to all relevant potential consultants and await a response from them.

6. EVALUATION OF ALTERNATIVES

Independently of the methodology used to assign/select a consultant in a case, it is still necessary to decide which is the configuration of the Consultation Broker. As mentioned earlier, we identified four alternative configurations:

- Automatic (AU),
- Electronic board (EB),
- Yellow pages (YP), and
- Active broker (AB).

As in the majority of real life situations, making a decision about the configuration of the Consultation Broker involves not just tangible benefits and/or costs but also intangibles which need to be included in the decision The measurement of intangibles was not making process. possible until a few years ago when Saaty (1977, developed the Analytic Hierarchy Process (AHP). theory is based on the use of relative measurement to construct ratio scales, which can be combined in hierarchic structures to yield nonlinear approximations. The theory is based on three principles: decomposition (construction of a hierarchy or network of interactions), measurement (development of ratio scales) and synthesis (hierarchic or network composition. This theory requires expert knowledge to develop the decision making structure (i.e., hierarchy) and to assess the relative importance/contribution of the criteria and alternatives ratio scales from pairwise (i.e., As an illustration of how the alternatives comparisons). could be evaluated, we give below (Figure 1) a simple hierarchy of objectives, criteria and alternatives that could be used by a group of experts to evaluate the four It is important to note that this theory alternatives. does not have the same shortcomings as some other theories such as utility theory or outranking methods. allows for intransitivities of the decision-makers hence, the logic behind it must be non-monotonic which allows for new facts not necessarily consistent with all other existing facts at the time of a decision.

The selection of an alternative could consider the following four objectives:

- Optimal utilization of resources
- Maximum accessibility of service,
- Quality of care, and
- Readiness.

These objectives could in turn be decomposed as in Figure 16. Below the level of objectives we should insert a set of criteria which will help to measure the contribution of the alternatives to the attainment of the objectives.

To evaluate the four alternative configurations we first need to assess the importance of the objectives, then importance of the criteria with respect to objective and finally the relative importance of alternative configurations with respect to each criterion. The results of these comparisons can then be combined into a unidimensional scale which will indicate, in relative terms, the importance of the alternative according to all the objectives and criteria. This evaluation requires knowledge and experience on the alternative configurations, which is not yet readily available. It is the subject of We propose to select four cases to future research. and illustrate the four configurations show weaknesses and strengths. A good example of a case similar to this one was summarized in Vlhakis and Partridge (1989). This publication is a summary of a larger study conducted by the U.S. Department of Energy and the Office of the Inspector General to determine the adequacy of security at selected U.S. Department of Energy facilities that produce The AHP provided a flexible tool for nuclear weapons. allocation of assessment, planning, and resources enhanced security.

Note that to obtain a synthesized scale for the configurations we would need to combine the individual scales obtained under each criterion (see for example Table 1).

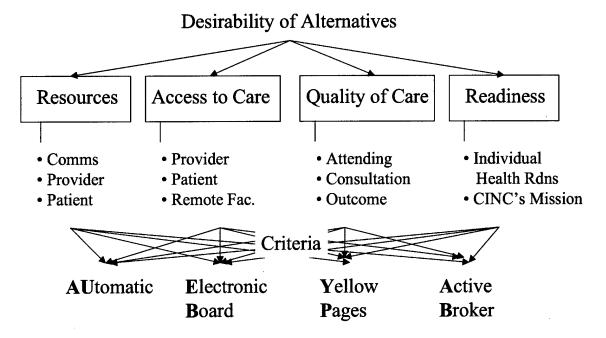


Figure 16. Consultation Broker Alternatives Hierarchy

Table 1: Reasoning Methodology Rating Matrix

Rating Criteria

Use of Resources	urces	Contr	ibution to Access to	bution to Access to Care	ø	Contri	Contribution to Quality	oution to Quality of Care	ø	Contri	Contribution to Readiness	
(u1, u2, u3) Comms	(a1, Provdr Spt		a2, a3) Provdr	Patnt	(c1, c Remote	(c1, c2, c3) Remote Attend	ing Cor	- nsultati	2, a3) (c1, c2, c3) (r1, r2)) Provdr Patnt Remote Attending Consultation Outcome		Indiv. Health Rdns	CINC's
Mission							ĬΉ	Facility	Phy	Physician		
Automatic (no human involved) u11 Electronic	u12	u13	a11	a12	a13	c11	c12	c13	r11		r12	
Board (consultant involved) u21	u22	u23	a21	a22	a23	c21	c22	c23	r21		r22	
Yellow Pages (requestor involved) u31	u32	u33	a31	a32	a33	c31	c32	c33	r31	_1	r32	
Active Broker (3 rd party broker involved)	u41	u42	u43	a41	a42	a43	C41	c42	c43	r41	r42	

Using the principle of hierarchic composition, the relative standing of the configurations would be given by the configuration priority (CP):

$$CP(i) = \sum_{i=1}^{3} u_{ij} u_{j} + \sum_{i=1}^{3} a_{ij} a_{j} + \sum_{i=1}^{3} c_{ij} c_{j} + \sum_{i=1}^{2} r_{ij} r_{j}$$

Resources + Accessibility + Quality + Readiness

7. CONCLUSIONS

In this paper we describe a global telemedicine command and control system (GGTS) under development that will enable telemedical consultations to occur anywhere in the world, regardless of location or transportation medium. The GGTS of four distinct functional nodes: consists Requestor, Broker and Provider. Each one of these nodes provides a specific interface to the communications network that supports medical operations across the Operational This paper concentrates on the Consultation Continuum. component, which is operationalized using Broker (CB) Artificial Intelligence methodologies such as case-based reasoning and classification theory. The CB is an object oriented global teleconsultation system designed to route incoming requests for consultation to the appropriate "on duty" medical personnel. It may adopt one of alternative architectures described: automatic, broker, yellow pages and electronic board. We illustrate and structures used in the CB how the data architectures would handle different teleconsultations with data from a US Army Teledentistry system in operation.

Many of the concepts embedded in the Consult Broker are new, and hence they are evolving as data become available. In general, there are "common sense" specifications that we would like the alternative configurations to satisfy. These requirements will be refined once working prototypes of the configurations are available. In general, the Consultation Broker architecture should:

- (1) Be a virtual link between healthcare providers and medical centers for 24/7 Telemedicine Consultations.
- (2) Leverage existing and available military telecommunication infrastructure backed up by civilian

networks to provide remote military health care providers with Telemedicine access to consulting physicians at medical centers.

- System must function with humans to enhance their efficiency
- (3) Provide centralized transparent network management and consult routing with knowledge-based system technology.
- Dynamic and flexible
- Deal with uncertainty
- Adjust to change
- Similar to telecommunications routing system for phone calls
- (4) Have mirrored capability for Consult Broker Architecture to ensure that if the initial consultation broker drops off-line, the consult in progress is maintained and new consultations are rerouted to the alternative site.
- (5) Be sensitive to requirements of all potential customers, who include, at a minimum, the patient, the primary care giver, the Physician at the GGTS control center and, the Consulting Physician at the Medical Center.
- (6) Be able to be responsive to and incorporate current and future policy decisions.
- (7) Be continuously aware, along with Network and Bandwidth managers, of the state of physical resources and be able to respond to unexpected changes in the availability of those resources.
- (8) Be able to recognize the criticality of the request (life threatening) and have a time management capability to clear requests and/or upgrade previous requests after an elapse of time.
- (9) Remain in standby mode until initiated, making it the triggering mechanism of the GGTS architecture.
- (10) Once initiated, evaluate consults predicated upon:
- Patient Information to include initial diagnosis and criticality

- Attending Primary Care Giver requirements
- Knowledge of physician based protocols
- Network and Bandwidth resource availability
- Operational Policies
- (11) Provide a medical decision maker with a list of prioritized options with whom to initiate the consult.
- (12) Augment its knowledge base with the results of completed consult case information.

REFERENCES

- Booze-Allen Hamilton, GGTS feasibility study to the US Army 1108th Signal Brigade (Ft. Ritchie, MD), 1999.
- Calcagni, D.E., C.A. Clyburn, G. Tomkins, G.R. Gilbert, T.J. Cramer, R.K. Lea, S.G. Ehnes and R. Zajtchuk, "Operation Joint Endeavor in Bosnia: Telemedicine Systems and Case Reports." Telemedicine Journal 2, 3 (211-221), 1996.
- Clyburn, C.A., G.R. Gilbert, T.J. Cramer, R.K. Lea, S.G. Ehnes, R. Zajtchuk, "Development of Emerging Telemedicine Technologies with the Department of Defence: A Case Study of Operation Joint Endeavor in Bosnia." Acquisiton Review Quarterly, 4, 1 (101-121), 1997.
- Corruble, Vincent, and Jean-Gabriel Ganascia, "Induction and the discovery of the causes of scurvy: a computational reconstruction," Artificial Intelligence 91 (1997) 205-223.
- Evans, C. D. and R. M. Winter, "A case-based learning approach to grouping cases with multiple malformations," M.D. Computing 12 (1995), 127-136.

G2 ref

- Kohno, Takeshi, Hamada, Susumu, Araki, Dai, Kojima, Shoichi, and Toshikazu Tanaka, "Error repair and knowledge acquisition via case-based reasoning," Artificial Intelligence 91 (1997) 85-101.
- McKenzie, D. P. and R. S. Forsyth, "Classification by similarity an overview of statistical methods of case-based reasoning," *Computers in Human Behavior* 11 (1995), 273-288.
- Musgrove, P. B. and J. Davies, "A comparative study of three machine learning approaches to the treatment of patients at anticoagulant out-patient clinics," in: Macintosh A. and Cooper, C., Editors, Applications and Innovations in Expert systems III, Proceedings of Expert Systems 95, the Fifteenth Annual Technical

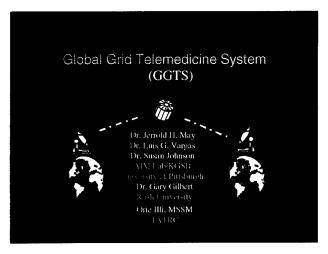
- Conference of the BCS Specialist Group on Expert Systems, Cambridge, December 1995, SGES Publications, 253-262.
- Navein, J., J. Hagmann, and J. Ellis, "Telemedicine in Support of Peacekeeping Operations Overseas: An Audit." Telemedicine Journal 3, 3 (207-214), 1997.
- Petersen, J., "Similarity of fuzzy data in a case-based fuzzy system in anesthesia," Fuzzy Sets and Systems 85 (1997), 247-262.
- Ram, A. and J. C. Santamaria, "Continuous case-based reasoning," Artificial Intelligence 90 (1997) 25-77.
- Riesbeck, Christopher K. and Roger C. Schank, *Inside Case-Based Reasoning*, Hillsdale, NJ: Lawrence Erlbaum Associates, 1989.
- Saaty, T.L., "A Scaling Method for Priorities in Hierarchical Structures," Journal of Mathematical Psychology 15, 3 (234-281), 1977.
- Saaty, T.L. "Axiomatic Foundation of the Analytic Hierarchy Process," *Management Science* 32, 7 (841-855), 1986.
- Smyth, Barry, and Mark T. Keane, "Adaptation-guided retrieval: questioning the similarity assumption in reasoning," Artificial Intelligence 102 (1998) 249-293.
- Spyropoulos, B. and G. Papagounos, "A theoretical approach to artificial intelligence systems in medicine," Artificial Intelligence in Medicine 7 (1995) 455-465.
- Vlahakis, J.G. and W.R. Partridge, "Assessment of Security at Facilities that Produce Nuclear Weapons." In The Analytic Hierarchy Process: Applications and Studies. B.L. Golden, E.A. Wasil and P.T. Harker (eds.). Springer-Verlag, 1989.
- Walters T.J., "Deployment Telemedicine: The Walter Reed Army Medical Center Experience." Military Medicine 161, 9 (531-536), 1996.

- Watson, Ian D., Case-Based Reasoning: Techniques for Enterprise Systems, San Francisco: Morgan Kaufmann, 1997. (check date. 1998?)
- Zajtchuk, J.T. and R. Zajtchuk, "Strategy for Medical Readiness: Transition to the Digital Age." Telemedicine Journal 2, 3 (179-186), 1996.

Appendix 2:

May, Vargas, Johnson, Gilbert, and Illi, "Global Grid Telemedicine System, " presented at ATA Fourth Annual Meeting, Salt Lake City, Utah, 1999

1.



What is GGTS?

The Global Grid Telemedicine System (GGTS) is a proposed Global **Telemedicine Command and Control** System (Zajtchuk and Zajtchuk, 1996) that will enable telemedical consultations to occur anywhere in the world, regardless of location or transportation medium.

3. 4.

2.

WHY IS GGTS NEEDED?

 Historically, the military medical community has had limited access to tactical and strategic communication systems. Increased use of telemedicine has previously resulted in the employment of expensive. stove-piped communications. As global telemedicine operations are incorporated into doctrine, the need for a reliable, scalable, rapidly adaptable virtual network is becoming apparent.

WHY IS GGTS NEEDED?

· ...a communications network alone is not adequate. A consult routing system which considers Command quidance, availability of resources, physicians' preferences, and medically sound consultation practices is essential to effectively route telemedicine consultations to the appropriate consultant.

BOSNIA EXPERIENCE

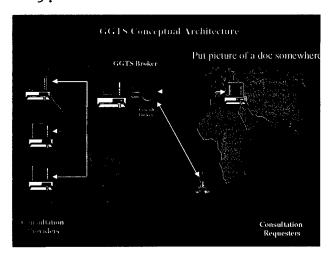
- "...providing a reliable back-bone communications infrastructure is not enough. More flexible and responsive network management and prioritization policies and procedures as well as end-to-end systems integration services and support are also essential."
 - Telemedicine Report: Case Study of Operation Joint Endeavor in Bosnia

7.

What Knowledge Does GGTS Need?

- A list of potential consultants
- A list of sites providing consultation
- A link to a network manager with feasible modes of consultation
- An interface to collect relevant information from the requestor
- A time keeping capability and
- A time-based event trigger

9.

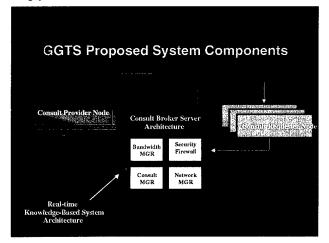


6.

GGTS Concepts

- Provide centralized transparent network management and consult routing with intelligent decision support system technology.
- Leverage existing and available military telecommunication infrastructure backed up by civilian networks to provide remote military health care providers with Telemedicine access to USA-based medical centers.
- Consultation Broker Server and Network Manager do not have to be co-located but must be integrated.

8.



10.

What Information is Needed for a GGTS Tele-medical Consultation?

- Modality (e.g., audio, real-time full motion, store-and-forward)
- Patient demographic data (e.g., name, date, location, age)
- Consultation specific data (e.g., requesting physician's specialty, *consultation urgency*, subspecialties requested, type of equipment used or available, history of present illness, and *current differential diagnosis*).

WHAT IS CASE-BASED REASONING?

CBR is [...] reasoning by remembering.

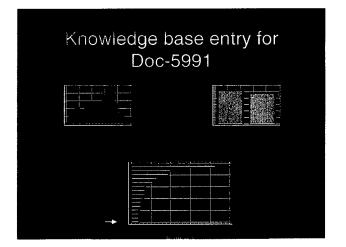
Leake, 1996

A case-based reasoner solves new problems by adapting solutions that were used to solve old problems.

Riesbeck & Schank, 1989

13.

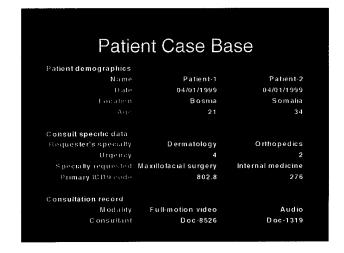
.



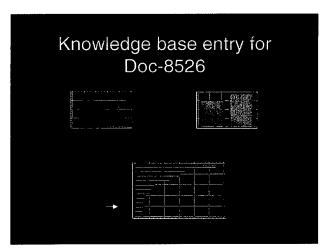
15.

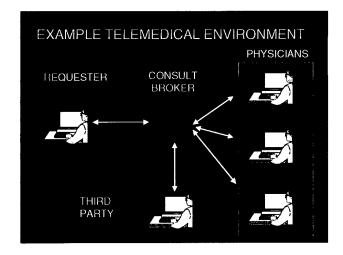
Patient demographics
Name Patient X
Date 04/20/1999
Lacer Saudi Arabia

12.



14.





GGTS Alternative Configurations

- Automatic (AU)
- Active Broker (AB)
- Electronic Board (EB)
- Yellow Pages (YP)

AUTOMATIC

PHYSICIANS

REQUESTER CONSULT
BROKER

THIRD
PARTY

19.

ACTIVE BROKER

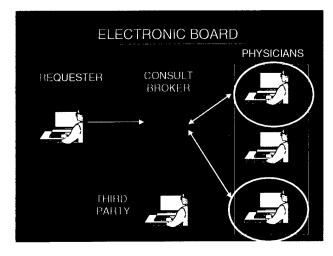
PHYSICIANS

REQUESTER CONSULT
BROKER

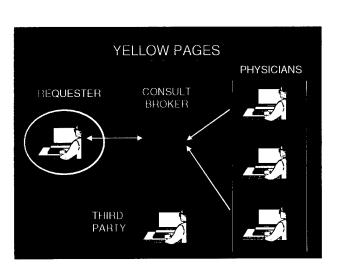
THIRD
PARTY

20.

18.



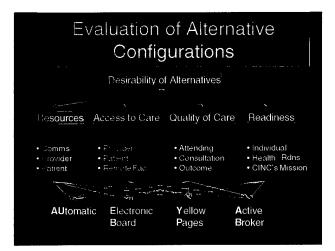
21.



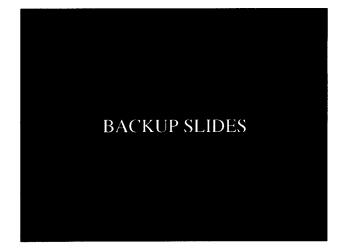
22.

Criteria for Selecting the Best
Configuration Alternative

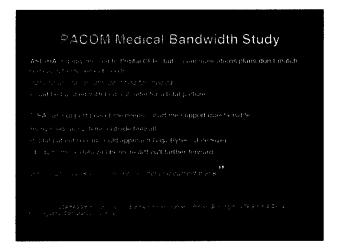
Optimal utilization of resources
- Maximum accessibility of service,
- Quality of care, and
- Readiness.



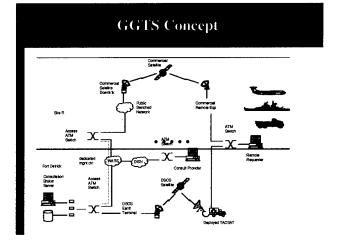
24.



25.



26.



27.

Conclusions of GGTS Feasibility Study

- Military bandwidth used on space available basis backed up by commercial bandwidth is most feasible solution.
- · ATM is recommended network protocol
- CGTS requires dynamic and transparent bandwidth allocation between and among military and commercial communication systems.
- · GGTS requires multi-level network security .
- Consult broker requires multiple reasoning and knowledge representation schemes.
- It is Technically feasible to leverage the existing robust telecommunications infrastructure of Site-R and/or Fort Detrick for providing cost effective, sariable bandwidth network support for world-wide Telemedicine consultations

28.

Automatic Alternative

- DM: Computational Model
- ROLE of CB: Assignment of consultant to requester w/o human intervention
- OBJECTIVE: Enforce managerial constraints
- CONS: Autocratic, depends on assignment methodology
- INPUTS:
- profiles of consultants & sites
- list of consultants available,
- list of RFCs,
- an assignment methodology.

The Active Broker

- DM: Third party human
- BOLE of CB: Intelligently support DM
- OBJECTIVE: Make the assigner's behavior as efficient as possible.
- CONS: Assigner stress
- INPUTS:
- profiles of consultants & sites,
- list of RFCs,
- audit trail capability

30.

Electronic Board

- DM: Consultants
- ROLE of CB: Route requests to proper consultants
- OBJECTIVE: Make requests available to the right people & make sure a consult happens
- CONS: "Best" consultant not guaranteed
- INPUTS:
- list of RFCs,
- routing model,
- real-time blackboard
- assignment methodology

31.

32.

Yellow Pages

- DM: Requester
- BOLE of CB: Route proper consultant info to requester
- OBJECTIVE: Make right consultants available to requester & make sure a consult happens
- CONS: "Best" consultant not guaranteed
- INPUTS:
- profiles of consultants and sites,
- selection model
- real-time blackboard
- assignment methodology

Methodologies

- Case-based Reasoning
- A case-based reasoner solves new problems by adapting solutions that were used to solve old problems...Case-based reasoning means reasoning from prior examples." (Riesbeck and Schank, 1989, page 25).
- Rule Systems
- Classification theory
 - Statistical classifiers
 - Neural Nets
 - Machine Learning

Appendix 3:

May, Vargas, Gilbert, Illi, Rocca, and Jacobs, "GGTS Consult Broker," presented at the ATA Fifth Annual Meeting, Phoenix, Arizona, 2000

1.

2.

GGTS Consult Broker

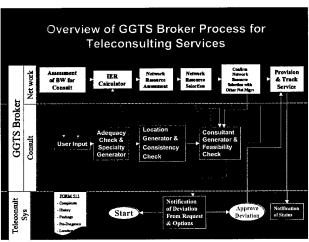
Jerrold H. May, University of Pittsburgh
Luis G. Vargas, University of Pittsburgh
Gary R. Gilbert, University of Pittsburgh & TATRC
Orlando J. Illi, U.S. Army MC4 Program
Mitra A. Rocca, University of Pittsburgh & TATRC
William G. Jacobs, University of Pittsburgh

ATA Phoenix, 23 May 2000

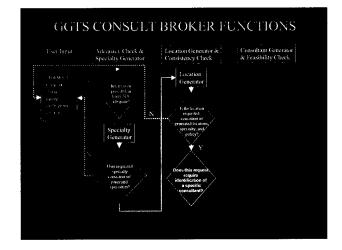
Structure of this merged talk

- · Why are we doing this?
- · Last year / this year
- · A flow chart for the Consult Broker
- The Consultant Generator & interfaces
- 6 examples from a Tdent prototype
- · A naive classifier
- Where do we want to be next year?

3.



4.



5.

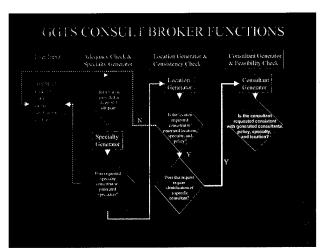
Goals of this project

- <u>System</u> to make the management of teleconsultations more efficient and more effective
- Research to learn how case based reasoning can be combined with management science techniques in decision support

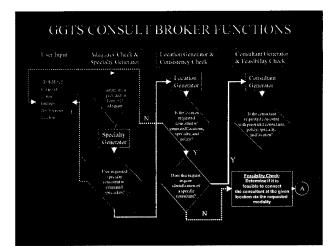
6.

Last year / this year

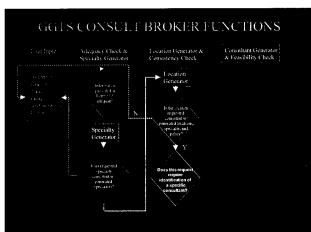
- <u>Last year</u>: defined the scope of the problem, figured out four interface modes, and identified probable methodologies
- This year: worked on a teledental (Tdent) prototype using real data to see what actually works



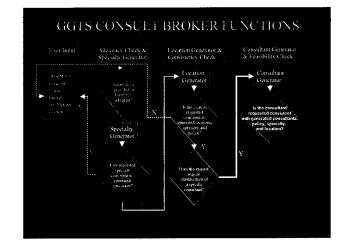
8.



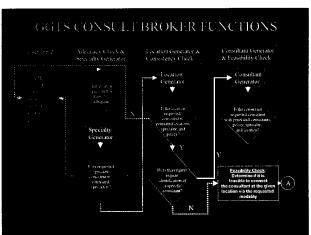
9.

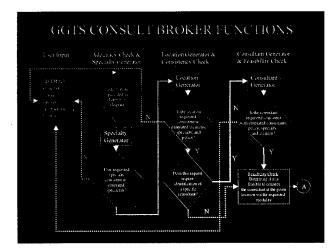


10.



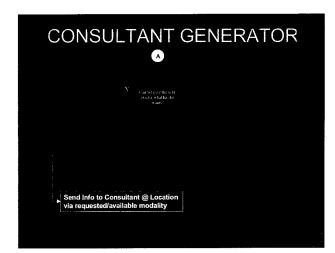
11.



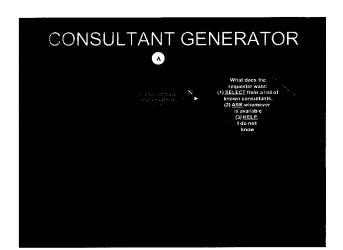




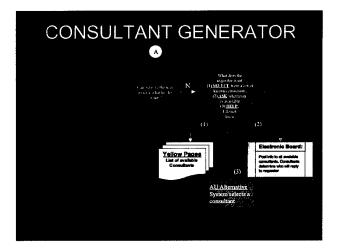
14.



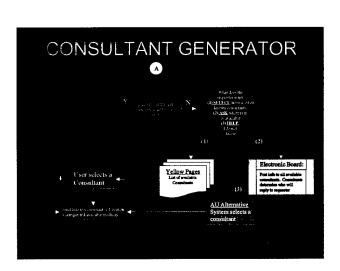
15.



16.



17.



18.

Types of Teleconsultations

- Type 1: Requester will <u>almost certainly refer</u> patient; purpose is administrative; precise medical problem not critical
- Type 2: Requester will <u>almost certainly</u> retain patient; purpose is medical; specified problem very likely to be accurate
- Type 3: Requester will <u>retain patient if</u> <u>routine</u>; specified problem may be only approximate

Examples from a system based on records of the Army's TDENT system

20.

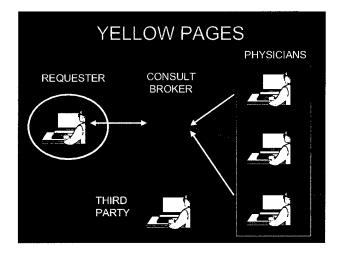
Example 1
Type 1 TC, peacetime

21.

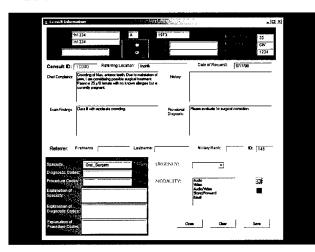
GGTS Alternative
Configurations

Yellow Pages Requester
Electronic Board Consultants
Automatic Computer
Active Broker Third Party

22.

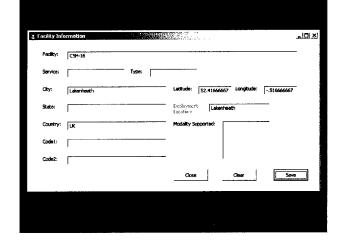


23.

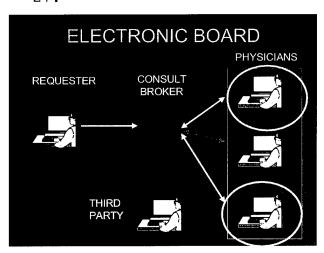


Referring Locations	Incide		•	Specialty	Oral_Surgery		▼ CDTs:	'	
Service:	Acry		•	Modelity:			-	Red	
CCTs by Sp	edally:	DEAGNOSTE PREVENTIVE RESTORATE			I				-
		ENDODONTI	ıcs						
		PROSTHOO		HEMOTABLE					 •
			SECTA	LISTS:					
Surt By:	Catance		PEC:	69, Wurz 103, Wurz	ourg, (19 co	nsults) nsults)			
	Experien	co .	PEC I PEC I PEC I PEC I	103, Wurd 182, Lands 107, Lands 195, Laken	oung, (63 co tuhi, (9 cons tuhi, (4 cons heath, (1 co (1 consult)	nsuits) uits) uits)			
		1							

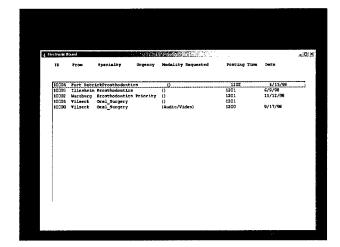
26.



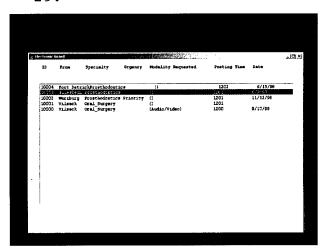
27.



28.

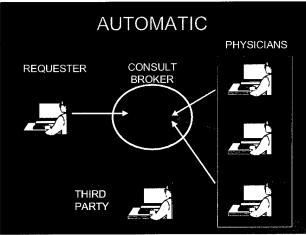


29.



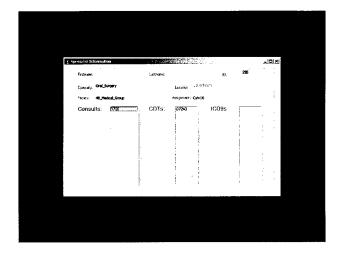
4 Comult Inform	tetron	0.16.9%s		77 ·	علم
	1237	· (A	1960		30
	1237				CIV
					1237
Censult ID:	10 108 Rafer	nng Location: Di	rhein	Date of Request	8/9/99
Civel Complaints:	PT WOULD LIKE TO REASONS ASYMPT WOULD THEN LIKE A POSSIBLE	DHATIC AT THE TH	4E. PT PIDION	DO AM PLACED APR 97DI	FFICULT ACCESS
Exam Findings.	#20d 3.5mm BELDW: TIPPED MESALLY A TO THE DISTAL	PLANE OF OCC. 1819 NO 821 TIPPED SLIS	Provision HTLY Diagnos		s
Referrer:	Firstname	Lash	umė;	Military Rank:	ID: 108
Specialty Diagnostic Code	Prositiodontic	, P 1/4	l .		
Procedure Code Explanation of Specially	D0160		MODALITY	: Audo Ydeo Audo/Adeo Store/Forward Faud	⊒
Explanation of Disgnostic Code	ĝ.		1	ļ -	
Explanation of Procedure Code	D016D - detaile ora: systuation -] _	Close Clear	Save

33.



Example 2 Type 1 TC, wartime (numbered medical groups may have been deployed to other than their usual locations)

35. 36.

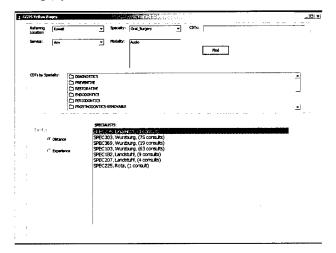


32.

AC	TIVE BROKE	ER
		PHYSICIANS
REQUESTER	CONSULT BROKER	
THIRD PARTY		
	•	

3 Lensek Information			-100 X
Luis Varges 123-45-8780	0 [1982 •		123
Censult ID: 12327 Referring I	ocation: Kumak	Date of Request	05/18/2000
Chiel Complaints Impacted weedom tooth	Hist	7	
Exam Findings	Provide Olinger	inal cris	
Referrer: Firstname	Lastname:	Military Rank	ID:
Speciality Oral_Gurgery	URGENCI		
Diagnosta Coder:	K-party Br. my		
Procedura Codes	MODALIT	Y: & 4-	-

Facility:			
rausty:	CSH-16		
Service:		Type:	
City:	<u> </u>		Laditude: 26.302 Longitude: -50,133
State:			Deploymen: Dha Hran
Country:	Saudi Arabia		Modelity Supported:
Code1:			-
Code2:			_
			Close Clear Save



39.

Example 3
Type 1 TC, wartime, special organizational rules

41.

Example 4
Type 2 TC
Exact matches in case base

Request is for a real time consult for a patient who requires CDTs D4314, D4240 and D4263

38.

For Examples 1 and 2, Broker needs to know

- Is the specialist associated with a fixed installation or with a deployable medical unit
- · If a deployable unit, which one
- Where each deployable unit is currently located
- Geographic location (latitude, longitude) of each fixed installation and of each deployed location

40.

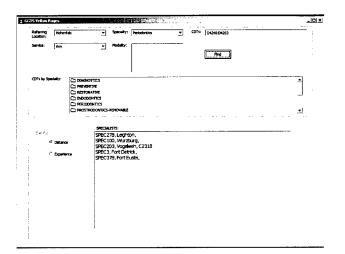
For Example 3, Broker also needs to know

- Atypical organizational structures (task forces)
- · Atypical administrative rules for handling patient
- Similarity judgements for specialties and subspecialties

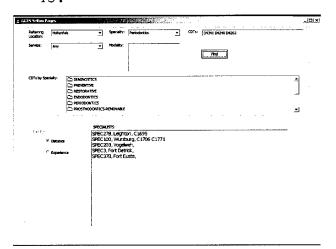
42.

Example 4 Type 2 TC Exact matches in case base

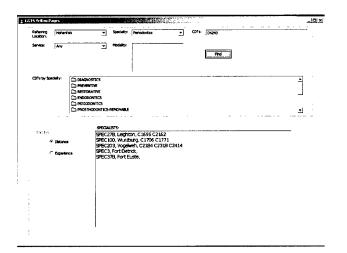
ID	Location	&	D4341 & D4240	D4240 & D4263	D4341 only	D4240	D4263 only	Available
	Fort Detrick				1			Now
	Wuerzburg	2			4			+16h
203	Vogelweh			1	2	1		+2h
278	Leighton	1	1		11			+12h
378	For Eustis				1			Now



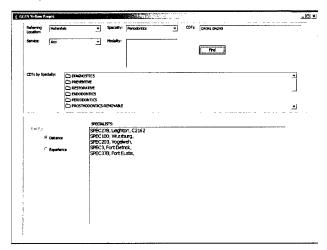
45.



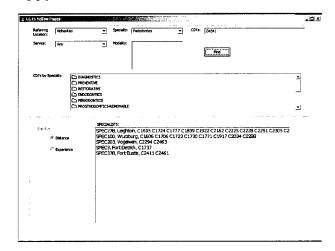
47.

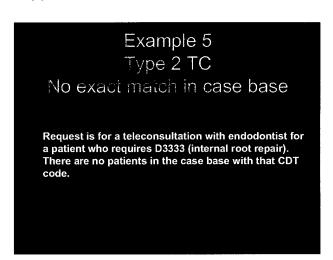


44.



46.





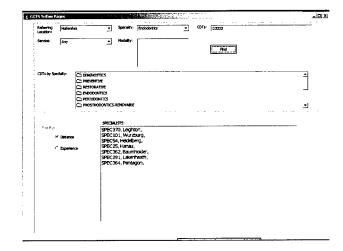
50.

CDTs D3910 -2.2459 1.0839 -2.1906 -1.3184 (D3460 D3470) D3920 -2.025 -1.3984 D3450 -1.6023 0.1843 D3430 -0.8711 0.5881 D3950 -0.4368 1.3583 (D3410 D3421 D3425 D3426) -0.3692 0.4285 D3999 -0.0661 -3.5689 (D3351 D3352 D3353) 0.0262 0.2046 (D3346 D3347 D3348) 0.1406 0.1825 0.8989 D3333 0.3301 (D3310 D3320 D3330) 0.9146 0.2782 (D3230 D3240) 0.9257 0.24 (D3220 D3221) 0.992 0.1267 (D3110 D3120) -0.3543 1.0429 D3331 1.4935 0.2396 D3332 1.5465 0.0867

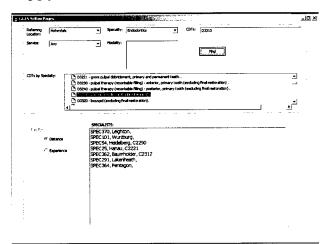
51.

CDTs most similar to D3333 from SPSS multidimensional scaling) D3230 (Pulpal Therapy, anterior) D3240 (Pulpal D3310 (RCT, Anterior) D3320 D3220 (Pulpotomy) D3221 (Pulpa (RCT, Bicuspid) D3330 (RCT, molar) Therapy, Posterior) debridement) ID Location 25 Hanau 54 Heidelberg 101 Wuerzburg 291 Lakenheath 362 Baumholder 364 Pentagon 370 Leighton 0

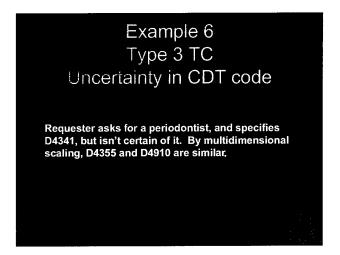
52.



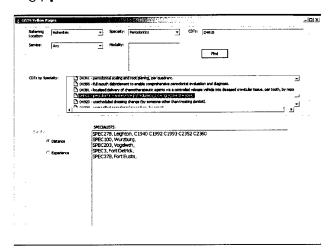
53.



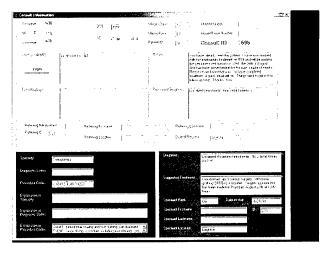
GTS Yellow Pages		لمد ـ
Referring Hohenfals Location:	Specialty: Endodorètes	
Service: Arry	w Modalby:	
COTs by Specialty: RESTOR		•
<u>1</u> 20000	- pulp cap - indirect (excluding final restoration). If any pull pulp is a second rest in indirect in the control of the pull pulp in the control of the co	lasker nim 1
<u> </u>		الم الم
Sant Fyo	SPECIALISTS: SPECI70, Leighton, C2341 C2430	
(* Chitance	SPEC 101, Wurzburg, C1668 SPEC54, Heldeberg,	
C Experience	SPEC25, Harvau,	
	SPEC362, Baumholder, C2231 SPEC291, Lakenheath,	
	SPEC364, Pentagon,	
	•	



57.



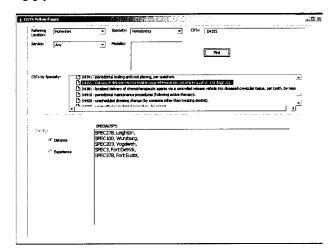
59.



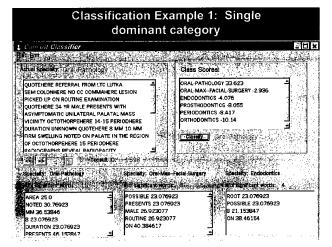
56.

Location:	Hahenleis	_	Specialty:	Perlodontics	•	CDTs:	D43H1	
Service:	Arry	_	Modelity:				Fire	
CDTs by Sp	D.0		spiriting -					•
							con and diagnosis. Se vehicle into diseased crevioular lissue	, per tooth, by repo
	F Cistance	SPEC 10 SPEC 20 SPEC 3,	8, Leight 10, Wurzt 13, Vogek Fort Deb		06 C1723 C 53		922 C2162 C2225 C2228 C225 1771 C1917 C2034 C2268	51 C2305 C2
				•				

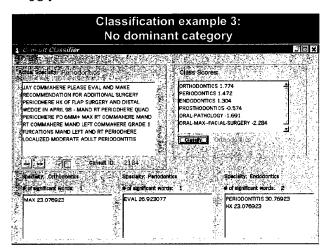
58.



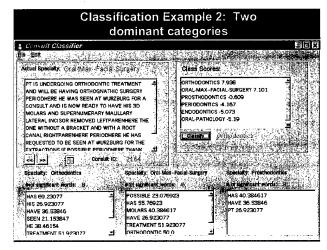
Overall performance														
Predicted (row percentages)														
Actual	Endo	Oral Surg	Ortho	Perio	Prostho	Oral Path	Total							
Endodontics	91%	2%	2%	0%	5%	0%	57							
Oral Max/Facial Surgery	2%	66%	9%	1%	10%	12%	163							
Orthodontics	1%	16%	70%	1%	12%	0%	77							
Periodontics	9%	4%	10%	40%	26%	12%	93							
Prosthodontics	4%	4%	10%	11%	71%	0%	92							
Oral Pathology	4%	10%	0%	0%	2%	85%	52							



63.



62.



64.

In the next year we want to...

- Extend the breadth of the prototype how representative is TDENT of the general medical teleconsultation problem?
- Refine the types of teleconsultations to best match the KB&MS tools and the interfaces to the management problem, user requirements, and organizational rules

Appendix 4:

Gilbert, Illi, Baker, Brienza, Rocca; Vargas, and May, "Global Grid Telemedicine System (GGTS)," presented at the ATA Fifth Annual Meeting, Phoenix, Arizona, 2000

1.



2.



What Is GGTS?

The Global Grid Telemedicine
System (GGTS) is a proposed Global
Telemedicine Command and Control
System (Zajtchuk and Zajtchuk,
that will enable telemedical
consultations to occur anywhere in
the world, regardless of location or
transportation medium.

3.



- Historically, the military medical community has had limited access to tactical and strategic communication systems.
- Increased use of telemedicine has previously resulted in the employment of expensive. stove-piped communications.
- As global telemedicine operations are incorporated into doctrine, the need for a retiable, scalable, rapidly adaptable virtual network is becoming apparent.

4.

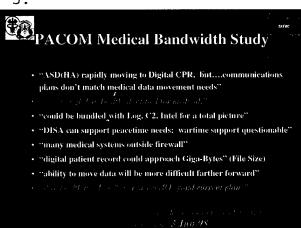


BOSNIA EXPERIENCE

• "...providing a reliable back-bone communications infrastructure is not enough. More flexible and responsive network management and prioritization policies and procedures as well as end-to-end systems integration services and support are also essential."

Telemedicine Report: Case Study of Operation Joint Endeavor in Bosnia

5.



6.

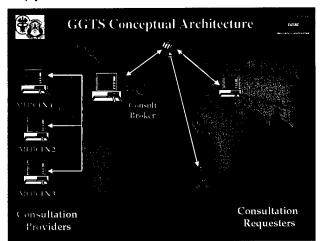


GGTS Concepts

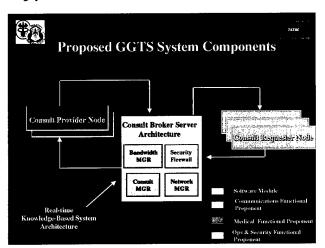
• Provide centralized transparent network management and

• Leverage existing and available

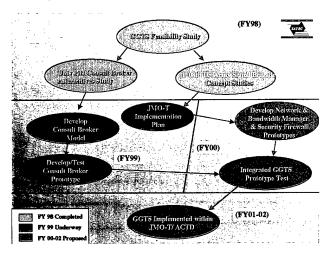
to provide remote military health care providers with Telemedicine access to USA-based medical centers.



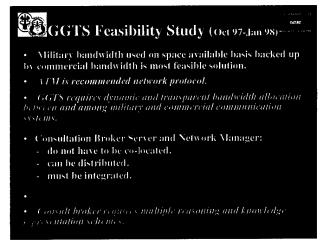
9.



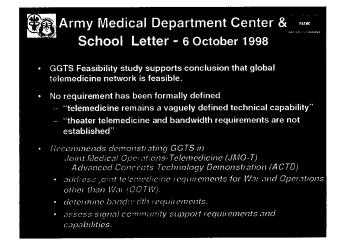
11.

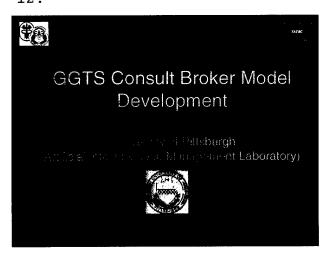


8.



10.





Types of Information Needed for a GGTS Tele-medical Consultation?

- Nidality (e.g., data, text, audio, images, store-and-forward, full motion video, etc.)
- regiont demographic data (e.g., name, date, ssn, sex, age, unit, location, age, etc)
- Imsultation specific data (e.g., requesting physician's specialty, consultation urgency, subspecialties requested, type of equipment used or available, history of present illness, and current differential diagnosis).

What Knowledge Does GGTS Need?

Knowledge about:

- relevant information to collect from the requestor
- · medical decision making and consultation
- potential consultants
- feasible modes of consultation
- policies and constraints
- network architecture, network & bandwidth management, &
- time-based event management and record keeping

15.

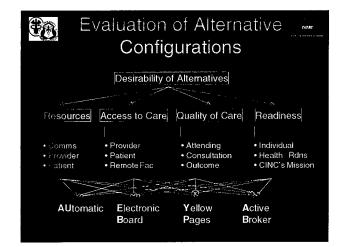


Criteria for Selecting the Best Configuration Alternative

- Optimal utilization of resources
- Maximum accessibility of service,
- Quality of care, and
- Readiness.

16.

14.



17.



Reasoning Methodologies

(multiple, per feasibility studies)

- Case-based Reasoning

A case-based reasoner solves new problems by adapting solutions that were used to solve old problems...Case-based reasoning means reasoning from prior examples." (Riesbeck and Schank, 1989, page 25).

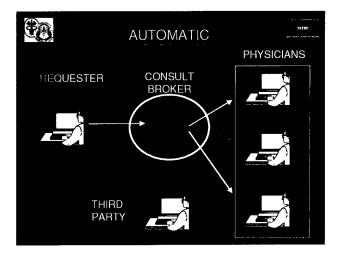
- Rule Systems
- Classification theory
 - Statistical classifiers
 - Neural Nets
 - Machine Learning

18.

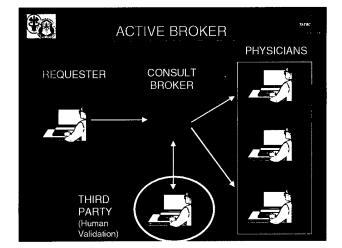


GGTS Alternative Configurations

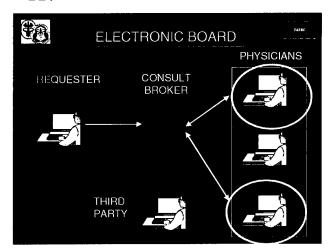
- Automatic (AU)
- Active Broker (AB)
- Electronic Board (EB)
- Yellow Pages (YP)



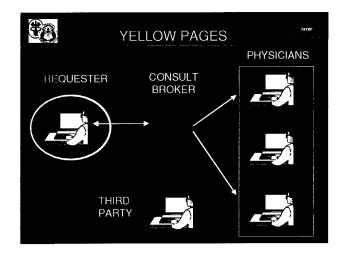
20.



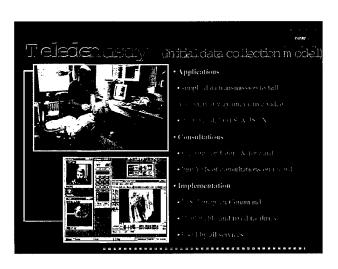
21.

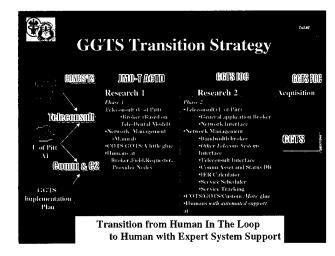


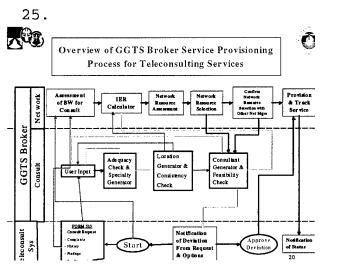
22.

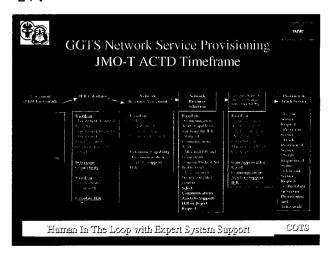


23.

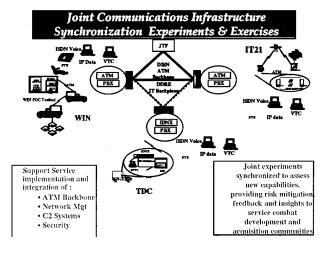




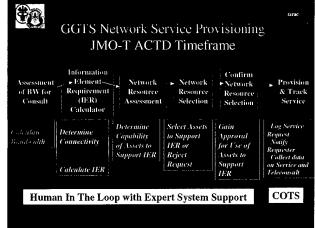




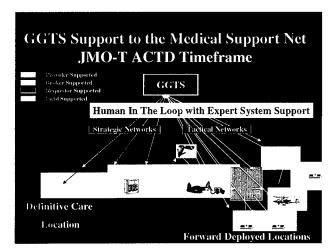
29.

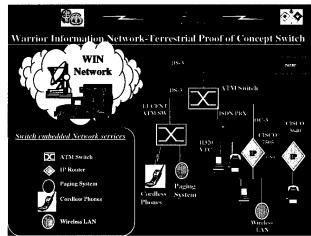


26.



28.





32.



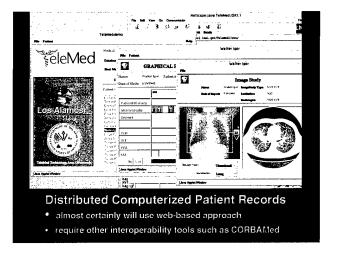
33.

- Software and
Hardware working
together on an open
platform (components)

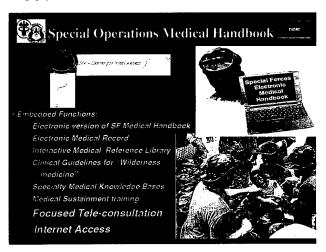
- Lego-like
Component
interactions

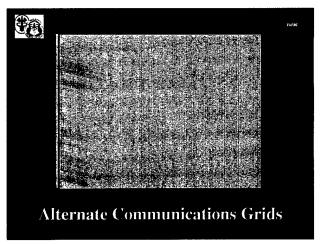
- Software and
Hardware working
together on an open
platform (components)

34.



35.







TATRO

GGTS Overview Conclusions

- Implement a network centered method to leverage access to military networks, manage bandwidth, and appropriately route telemedicine consults.
- Natidate the GGTS "virtual" network architecture and infrastructure concepts for all military medical communications.
- Leverage the JMO-T ACTD to collect data on how medical networks are managed and consults are routed.

Appendix 5:

Summary of naive text classification experiments on teledental and medical data

Naive Text Classifier for Use in Teledentistry

Possibly the most difficult task in the implementation of an effective Teledentistry system is the classification of individual patients. of the consults classifications are, in fact, necessary in order to send patients to appropriate specialists. The immediate tasks were to observe a sample of past dental consults and to effective classification system that build an successfully classify new dental consults.

In the real-time GGTS Consult Broker, a consult form such as Standard Form 513 is to be completed and sent through the system. In order to send the consult to the appropriate specialist, an intelligent classifier was constructed. The method that we chose to use was that of a naive classifier, which uses rules of probability and Case-Based Reasoning (CBR) to determine the likeliness of a consult being in a certain class.

The naive classifier that was implemented uses, as its input, the unordered set of words contained in the consultation report. A patient's dental problems are summed up in the description on the report. The words used in the description are the vital clues in directing the patient to a proper specialty. Using the clues along with rules of probability such as Simple Bayes', the naive classifier finds the most likely specialty out of a list of possible specialties.

In such a system, a number of past consults are to be used as a training set. From the training set, the naive

classifier constructs a "trained data-set," which holds the vital information on word/category frequencies in the past data. By using the past frequencies, the classifier is able to decide which specialties are most likely associated with new consults, which use many of the same words in their descriptions.

The actual classification algorithm is relatively straightforward, and is flexible enough to be easily altered and improved. The algorithm, in its simplest form, is summed up by the pseudo-code shown in Figure BJ-1.

- Uses a trained "data-set" to compute probabilities
- Tests each possible category separately:

Figure BJ-1

This algorithm (Figure BJ-1) utilizes a variation of the Simple Bayesian method. To compute a score for each category C, the algorithm looks at the list of words

describing a patient D, and, for each word, computes the probability that the word belongs to a consult of category C. After all those probabilities are summed, the classifier finally adds the probability of an arbitrary item being in category C.

compute these probabilities, the classifier requires a trained data set that holds information on all word/category frequencies. In order to build the trained data set, the naive classifier reads from a file that contains data from the items in its training set. consult in the training file includes the description (informal diagnosis) of the patient's situation and the specialty to which the patient was later referred. The object of the classifier is to "read" the words in the description of a patient's dental problems, and to then send the patient to an appropriate specialist, based on the specialty to which the classifier believes the patient's diagnosis belongs. By having a connection between the words in the patient descriptions and the specialty they fall under, the classifier is able to store word frequencies for each of its respective classes. Those word frequencies, with the above algorithm, are then used to evaluate new consults, and then to classify them to their proper specialties.

	Frequencies of Words in Specialties					
Word	Oral Pathology	Prosthodontics	Periodontics	Orthodontics	Oral Max/Facial Surgery	Endodontics
ATTACHED	11.54	0.00	6.45	0.00	0.61	1.75
BORDER	11.54	0.00	0.00	0.00	3.07	0.00
BUCCAL	11.54	1.09	3.23	2.60	3.07	12.28
CHANGES	11.54	0.00	0.00	0.00	0.61	0.00
CYST	11.54	1.09	2.15	0.00	6.75	3.51
IMAGE	11.54	1.09	0.00	0.00	6.75	8.77
IMAGES	11.54	2.17	1.08	2.60	3.68	1.75
LESIONS	11.54	1.09	3.23	1.30	3.07	1.75
NONCONTRIBUTORY	11.54	0.00	1.08	0.00	0.00	0.00
OLD	11.54	5.43	16.13	7.79	22.09	0.00
PACK	11.54	0.00	0.00	1.30	0.61	0.00
PAIN	11.54	0.00	3.23	5.19	22.09	26.32
PALATE	11.54	1.09	0.00	3.90	1.84	0.00
POSSIBLE	11.54	9.78	6.45	7.79	15.34	22.81
RADIOGRAPHS	11.54	0.00	4.30	0.00	4.29	8.77
SHE	11.54	23.91	16.13	24.68	23.93	15.79
SLIGHT	11.54	1.09	0.00	2.60	6.13	1.75
SMOKING	11.54	0.00	0.00	1.30	3.07	0.00

Figure BJ-2

Figure BJ-2 shows, for each of these specialties, the percentage of consults that contain each given word. The naive classifier takes advantage of the fact that certain words are more common in particular specialties.

	ORAL				ORAL	
	PATH.	PROSTHO.	PERIO.	ORTHO.	SURGERY	ENDO.
Му	-5.219524	-3.8169956	-3.90378	-4.514279	-3.459378	-4.369
Size	-3.610086	-6.3019023	-5.60853	-6.306038	-4.683153	-6.3149
Biopsy	-3.3736973	-6.3019023	-5.60853	-6.306038	-5.193979	-6.3149
Lesion	-2.8216286	-5.20329	-4.91538	-5.612891	-3.653534	-4.2354
Period (.)	-2.3478441	-1.8132657	-1.82434	-1.98855	-1.242735	-2.3446
ls	-2.8216286	-2.4100819	-2.54047	-2.455891	-1.759992	-2.9137
Comma (,)	-2.4894948	-1.9451932	-2.11202	-2.477397	-1.379936	-2.6013
Great	-6.318136	-4.510143	-4.91538	-6.306038	-5.193979	-5.6217
Period (.)	-2.3478441	-1.8132657	-1.82434	-1.98855	-1.242735	-2.3446
TOTAL	-31.3498835	-34.11604	-33.2528	-37.95567	-27.80942	-37.06

Figure BJ-3

Figure BJ-3 shows how the scores are calculated using the algorithm in Figure BJ-1. Punctuation such as periods and commas can either be taken into consideration or omitted. In the initial tests, we took all punctuation into consideration when classifying consults. The sum of all the words in each consult being tested were added up for each category. The classifier returns, as the predicted class, the category with the highest, or *least negative*, value.

Naive Classifier Testing

In order to evaluate its performance, testing was done on the naive classifier. The first step was to take the 390 available consults that were classified under the Endodontic, Periodontic, Orthodontic, and Oral Surgery specialties, and to divide them into a training-set, which would be used to build the classifier's data-set and a test-set. It seemed appropriate to start off building an equally distributed training set, because it seems the classifier's probabilistic nature may require an even

number of items (consults) for each specialty that it trains. As shown in Figure BJ-4, 45 consults in each of the four categories were used to build the classifier's trained data set, giving a total of 180 items in the training set. The remaining 210 items were then set aside for testing purposes.

	# of Items in Training Set	# of Items Remaining for Testing
Oral Max/Facial Surgery	45	118
Periodontics	45	48
Orthodontics	45	32
Endodontics	45	12
Total	180	210

Figure BJ-4

A testing program was written to process the test-set and to test it using the naive classifier. The testing program worked by reading in a file that contained the 211 The format of the file was identical to that test items. of the file used for building the training set. Each line in the file contained the description of the patient's situation and the specialty that the patient was sent to. As each item was read in, the classifier evaluated the words in the patient description and calculated scores for each of the possible specialties. The specialty with the highest score was passed back to the testing program. the specialty returned by the classifier matched the actual specialty of the item, the item was marked as successfully classified.

Initial tests showed that the classifier successfully classified around 70% of the items in the test-set. Cross-

validation was also used to test the accuracy of those results. For the most part, the results stayed around 70%.

οf While the results the initial tests impressive. setting aside 45 of each specialty's items would not allow for sufficient testing for every specialty. Endodontics, for example, had a total of only 57 available items, which meant only 13 at a time could be tested under the initial testing program, which used 45 of the Endodontic consults for the training set. Therefore, another method of testing had to be developed.

This time, instead of separating the items into a training-set and a test-set, every available item was used to build the trained data set. This data set contained the word/class frequencies found in every available consult. As a result, the trained data set no longer had an equal number of instances for each specialty. A specialty such as Oral Max/Facial Surgery had more than double the amount of items than Endodontics. Whether or not this effected the performance of the classifier was yet to be seen.

decided add Under this test, we also to the Prosthodontics and Oral specialties of Pathology evaluate the classifier's performance with a larger set of categories. This gave us a total of 534 consults.

Testing was again performed by reading from a file, descriptions, evaluating the words in the and classifying items under specialties. Α few changes, however, had to be made in order to run the tests under For example, only one file was now needed this new method. for building the data set and performing the test. to simulate the classifier's function of evaluating new and unique consults, we had to ensure that the specific items that were being classified were not, at the time, actually

contained in the data set. Therefore, as each item was being classified, the testing program first removed that particular item from the trained data set. The method, shown in Figure BJ-5, tested every item without having to distinguish between a training-set and a test-set:

```
Pseudo-code for alternate testing method:
     Read file containing all 534 consults
          Build classifier's data set using the 534 items
          for each line (item) in file
          {
               remove all word/frequency information in 'item'
               from the trained data-set
               evaluate
                          'item'
                                  and
                                        return its
                                                      specialty
               according to the classifier
               record the classification
               restore the original data set by once again
               adding the word/frequency information of 'item'
               to the data set
          }
```

Figure BJ-5

Once this testing algorithm was implemented, the new tests were run on the data in the Endodontic, Periodontic,

Orthodontic, Oral Surgery, Prosthodontic, and Oral Pathology fields. This time, the program not only recorded successful/unsuccessful counts for each category, but it also mapped the results into an "actual vs. predicted" hash table, and produced a confusion matrix (Figure BJ-6) of the test results:

			Predicted				
Actual	Endodontics	Oral Max/Facial Surgery		Periodontics	Prosthodontics	Oral Pathology	Total
Endodontics	55	0	0	0	2	0	57
Oral Max/Facial Surgery	12	68	24	0	24	35	163
Orthodontics	5	0	58	0	12	2	77
Periodontics	19	1	5	20	29	19	93
Prosthodontics	13	0	2	4	71	2	92
Oral Pathology	2	1	0	0	2	47	52
Total	106	70	89	24	140	105	534

Figure BJ-6

	Correct Classifications	Total Tested	Pct. Correct
Endodontics	55	57	96%
Oral Max/Facial Surgery	68	163	42%
Orthodontics	58	77	75%
Periodontics	20	93	22%
Prosthodontics	71	92	77%
Oral Pathology	47	52	90%
Total	319	534	60%

Figure BJ-7

This test was able to give a better idea of the performance of the classifier. Figure BJ-7 shows that most of the specialties were classified successfully. The notable exceptions, however, were Oral Surgery, which had a success rate of only 42%, and Periodontics, which had an even lower rate of 22%. It was also interesting to see that, when the classifier made mistakes, Prosthodontics was

a frequent mistake. In fact, 29 of the Periodontic consults were classified as Prosthodontics, while only 20 of them were correctly classified as Periodontics.

While the initial results were promising, they left room for improvement. In order to possibly improve the classifier's performance, we constructed an *even* trainingset, to balance out the probabilistic calculations for each specialty.

Because the Oral Pathology specialty had the least number of consults associated with it (52), we took 52 random consults from each specialty for use in the training-set. This enabled us to test with an even data set, which would allow for an even distribution across specialties. We then tested each of the 52 items, using the same testing method, and produced new results.

			Predicted			
		Oral				
	i.	Max/Facial			4	Oral
Actual	Endodontics	Surgery	Orthodontics	Periodontics	Prosthodontics	Pathology
Endodontics	48	1	0	0	3	0
Oral Max/Facial Surgery	0	45	6	0	0	1
Orthodontics	1	9	37	0	5	0
Periodontics	4	0	2	27	15	4
Prosthodontics	2	1	6	8	35	0
Oral Pathology	2	5	0	0	1	44

Figure BJ-8

	Correct Classifications	Total Tested	Pct. Correct
Endodontics	48	52	92%
Oral Max/Facial Surgery	45	52	87%
Orthodontics	37	52	71%
Periodontics	27	52	52%
Prosthodontics	35	52	67%
Oral Pathology	44	52	85%
Total	236	312	76%

Figure BJ-9

Figures BJ-8 and BJ-9 show that the evenly distributed training-set produced significantly more successful results. This has to do with the probabilities of word-frequencies being evened out for each specialty. It is interesting to note that 27 out of 52 (52%) of the Periodontics items were classified correctly under this method, while only 20 out of 93 (22%) were classified correctly with the unevenly distributed training-set.

	Improvement
Endodontics	-4.18%
Oral Max/Facial Surgery	+44.82%
Orhodontics	-4.17%
Periodontics	+30.41%
Prosthodontics	-9.86%
Oral-Pathology	-5.76%
OVERALL	+15.90%

Figure BJ-10

Figure BJ-10 shows the difference (in actual percentage values) between the results of the unevenly distributed and evenly distributed data sets. A specialty with a positive (+) difference indicates an improvement caused by the evenly distributed set. While only 2 of the 6 specialties saw improvements with the evenly distributed data set, the overall performance was a substantial 15.9% better.

Relative Scoring

In order to further evaluate and possibly improve the performance of the classifier, changes were made which allowed the classifier to keep track of the scores of each category it tested. This not only allows for further evaluation of results, but it also allows the classifier to

produce confidence levels.

Once the scores for each specialty are calculated, the classifier gives each specialty a *relative* score, which shows the likelihood that a patient's description falls under a specific specialty, relative to other categories. Confidence values, therefore, can be generated from these relative scores.

Tests were then run to measure the effectiveness and significance of the new relative scoring system. Distinctions were made which divided classified consults into two separate categories. A classified consult was considered "unsure" if none of the specialties had a relative score of over 10. Consults with a single dominant specialty with a relative score greater than 10 were considered "confident." The classifier was then altered to return only the dominant category for confident consults, while returning the entire list of relative scores in unsure instances.

A set of 210 Endodontic, Periodontic, Orthodontic, and Oral Max/Facial Surgery items were tested to measure how many of the items would be confidently classified, and, in turn, how many of the confidently classified items were, in fact, correctly classified. These confidence levels, if valid, improve the classifier by allowing for distinctions between definite classifications and unsure classifications that may require further evaluation.

As shown in Figure BJ-11, out of the 210 items that were tested, slightly over half of them returned just one specialty and were considered *confident*:

Items Classified	Items Considered Confident	Items Considered <i>Unsure</i>	
210	109 (52%)	101 (48%)	

Figure BJ-11

How accurate are the *confident* items? Figure BJ-12 shows that out of the 109 items considered confident, most every one was classified correctly:

Items Considered	Number Classified	Pct. Classified
Confident	Correctly	Correctly
109	105	96%

Figure BJ-12

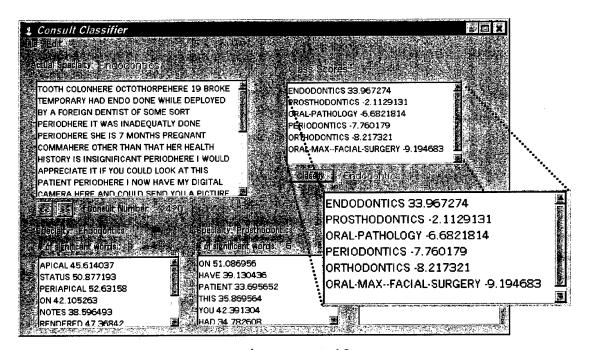


Figure BJ-13

Figure BJ-13 displays a screenshot of the Consult Classifier, which allows the user to scroll through past consults or enter new consults to be classified. The relative scores of each of the categories are displayed in the top right box. In the case of Figure BJ-13, Endodontics is the obvious category. Therefore, Consult

#2420 can be classified as Endodontics with a high degree of confidence.

SURGEON FINDER

In order to successfully route patients to an appropriate surgeon, we developed a system that takes advantage of the hierarchical structure of the ICD9 codes.

The Surgeon Finder software we developed allows a user to enter an ICD9 code (diagnosis) in order to find a dealt with patients with has similar surgeon who identical diagnoses. By using the data collected from two hospitals (UW and HMC), records were made for each of the had performed procedures in 338 surgeons who These records included information such as hospital. frequencies in which surgeons saw patients with specific ICD9s.

By utilizing these records, we were able to list appropriate surgeons for the user, given a selected ICD9 code. Not only could the Surgeon Finder find surgeons who have dealt with patients with the exact same diagnoses, it could also handle cases where few or no surgeons exist with such experience. In other words, if no surgeon has ever dealt with a specific ICD9 diagnosis, the Surgeon Finder allows the user to "back up" to a more general level, and find surgeons who have dealt with patients with similar diagnoses.

The hierarchical structure of the ICD9 codes allows us to logically move up and down to either more or less specific levels of diagnoses. For example, if *Patient A* is diagnosed with an ICD9 code of **414.11**, the user would enter the most specific version of the code. In return, the Surgeon Finder lists surgeons who have dealt with other

414.11 patients, and displays the number of times they have done so:

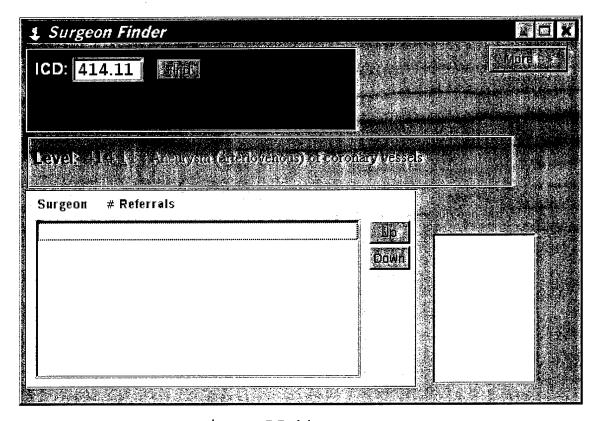


Figure BJ-14

In this case (Figure BJ-14), no surgeons who have treated an Aneurysm (arteriovenous) of coronary vessels (414.11) are available. This raises the question of what to do in these types of cases where no exact matches exist. Our next step was to evaluate the structure of the ICD9 codes to figure out the best way to handle these cases. The ICD9 code book is structured in a hierarchical fashion, and the knowledge structure inherent in that hierarchy might be a promising way to "back up" and find surgeons at more general levels.

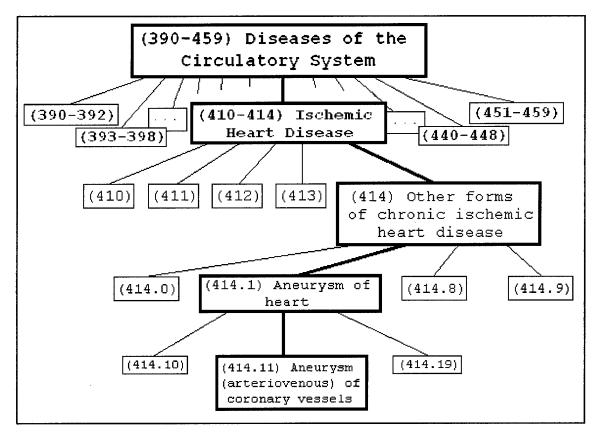


Figure BJ-15

As shown in Figure BJ-15, the last "1" in code number 414.11 takes 414.1 to a more specific level. In other words, 414.10, 414.11, and 414.19 are all siblings under the more general grouping of 414.1 codes. Furthermore, 414.0, 414.1, 414.8, and 414.9 are siblings and are all part of the general group of 414 codes. This structure is what allows us to "back up" to less specific levels.

In order for a user to find a surgeon who is experienced with patients similar to a 414.11 patient, it is possible to move up in the tree, and find surgeons experienced with Aneurysm of heart (414.1) patients more generally:

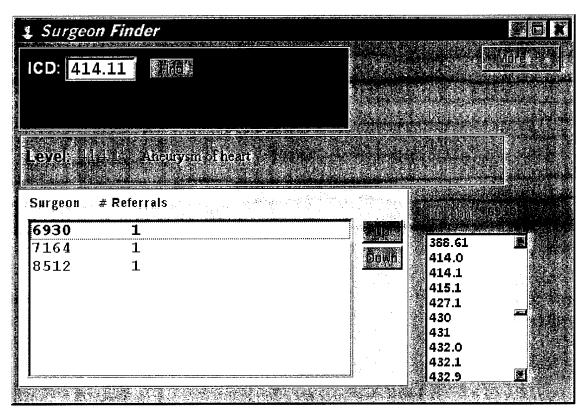


Figure BJ-16

In this case (Figure BJ-16), there are still very few surgeons who have dealt with the even more general cases of *Aneurysm of heart*. Therefore, the next logical step would be to move another level up in the hierarchy to look at all surgeons who have treated any 414 patients:

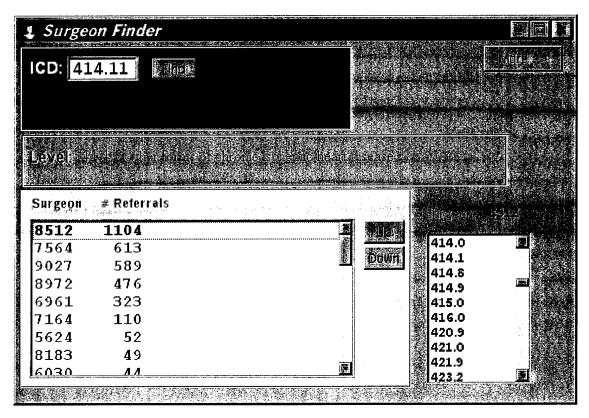


Figure BJ-17

As displayed in Figure BJ-17, a significant number of surgeons have had experience with forms of chronic ischemic heart disease classified as other (414 codes at their basenumber level). At this level, significantly more surgeons are available for selection. The Surgeon Finder, at all levels, also allows the user to see a list of ICD9 codes that a particular surgeon has dealt with.

If the user continued to move up in the ICD9 hierarchy, the Surgeon Finder would then move from the base-number level up to the next level, which is a range of base numbers under the heading, Ischemic Heart Disease (ICD codes 410-414). Figure BJ-18 shows the results of moving up one more level.

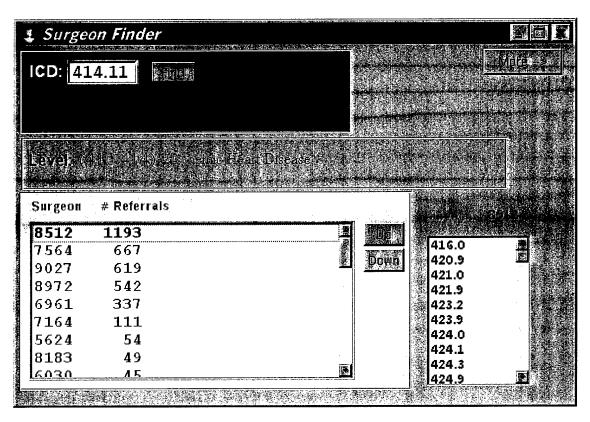


Figure BJ-18

Surgeon Categorization

In order to route patients to appropriate surgeons, a categorization of the surgeons was required. The Surgeon Finder software was quite effective in guiding patients to surgeons who were experienced with other similar patients. However the question as to how far a patient must travel to find a qualified surgeon remains.

A helpful tool in deciding which surgeons are appropriate is surgeon categorization. The task was to separate surgeons into three groups: Specialists, who specialized in a few types of patients; Sub-specialists, who specialized in even fewer types of patients; and Generalists, who deal with many different patients with many different diagnoses.

The categorizations are based on the Hirschman-The HHI is a Herfinadahl Index (HHI) for each surgeon. standard concentration measure used by economists and lawyers for quantifying the degree of monopoly in a market. The larger the value of the HHI, the more economic power is concentrated on a small number of firms. See William G. Shepherd, The Economics of Industrial Organization, Third Edition, Prentice-Hall: Englewood Cliffs, NJ, 1990, for a discussion the alternative measures of HHI, If we consider concentration, and their use in economics. surgeons analogous to industries, and the observed ICD9s as analogous to firms in an industry, then the HHI might be a useful measure of the degree of surgeon specialization.

Surgeon	HHI	# of Consults
2847	1307.52	37
2852	393.82	732
2855	5917.97	32
2856	461.07	279
2865	1124.26	13
2869	661.16	22
2871	656.99	103
2924	340.25	102
2945	2800.00	5 3
2947	3333.33	3
2972	2163.05	39
2985	188.02	220
2994	453.51	42
3018	5000.00	2
3026	10000.00	1
3031	833.33	12
3062	4575.00	40
3114	10000.00	4
3147	1083.68	27
3148	341.86	59
3368	864.20	18
3372	1851.85	9
3375	2098.77	9
3390	689.06	76
3399	2500.00	4

Figure BJ-19

Using surgeons in the place of markets and ICD9 instances in the place of firms, HHI values were calculated for each surgeon. Figure BJ-19 shows a subset of all surgeons' HHI scores.

Surgeons were then grouped into the three separate categories based on their ICD9-based HHI scores. Surgeons with HHI scores in the top 25th percentile were considered sub-specialists. Surgeons between the 50th and 75th percentiles were considered specialists. All other surgeons, with HHI scores in the bottom half of the

population, were considered *generalists*. Figure BJ-20 shows some of the groupings.

Surgeon	HHI	# of Consults	Category (overall)
1150	5243.76	29	Sub-Specialist
1339	1090.12	199	Specialist
1352	1065.76	21	Specialist
1357	2048.61	24	Sub-Specialist
1358	485.10	356	Generalist
1361	1155.02	170	Specialist
1479	1059.01	653	Specialist
1497	343.78	1015	Generalist
1521	291.11	1607	Generalist
1524	196.88	181	Generalist
1532	1083.74	560	Specialist
1635	239.95	303	Generalist
1686	1017.45	1452	Specialist
1731	278.77	698	Generalist
1735	455.81	897	Generalist
1739	2555.65	541	Sub-Specialist
1792	1117.86	119	Specialist
1797	1191.41	32	Specialist
1802	780.53	66	Specialist
1807	100.80	909	Generalist
1839	321.32	744	Generalist
2002	4648.53	21	Sub-Specialist

Figure BJ-20

After all ICD9 HHI scores were calculated and all surgeons were categorized, we further evaluated the validity of this categorization method. Lists and tables were constructed which listed surgeons who had worked at UW, HMC, or at both hospitals:

HHIs According to ICD9 Cod Both Hospitals		НМС		UW			
Surgeon		Category	ННІ	Category	HHI	Category	Match?
6930	305.76	Generalist			307.14	Generalist	1
6960	1280.28	Specialist	1280.28	Specialist			1
6961	3419.80	Sub-Specialist	2396.69	Sub-Specialist	3561.91	Sub-Specialist	1
6983	598.30	Generalist	598.3	Generalist	,		1
6995	200.36	Generalist	200.36	Generalist			1
7000	909.09	Specialist		The second of the second section and the second section section and the second section sec	1172.84	Specialist	1
7001	809.32	Specialist		1	809.32	Specialist	1
7012	347.16	Generalist	644.53	Generalist	648.42	Generalist	1
7020	769.02	Specialist	1753.44	Sub-Specialist	859.18	Specialist	0
7030	1400.00	Specialist				The second section of the sect	1
7052	1124.26	Specialist			1124.26	Specialist	1
7056	147.12	Generalist	127.92	Generalist	378.6	Generalist	1
7093	893.99	Specialist	1488	Sub-Specialist	907.35	Specialist	0
7099	418.88	Generalist			414.88	Generalist	1
7163	588.43	Generalist		.,	687.19	Generalist	1
7164	2789.78	Sub-Specialist			2789.78	Sub-Specialist	1
7270	214.16	Generalist	769.23	Specialist	218.78	Generalist	0
7272	571.66	Generalist	601.02	Generalist	834.57	Specialist	0
7276	1984.39	Sub-Specialist			2017.06	Sub-Specialist	1
7300	373.43	Generalist	1000	Specialist	476.19	Generalist	0

Figure BJ-21

Figure BJ-21 shows some cases where surgeons have different types of scores in different hospitals. However, in most cases, surgeons' HHI scores were very similar in both hospitals.

Surgeon Categorization according to CPT-based HHI scores

Up to this point, we've calculated HHI scores and categorized surgeons based on ICD9 codes. These ICD9-based HHI calculations indicate how specialized surgeons are at treating patients with particular diagnoses. However, it could also be helpful to know how specialized surgeons are at performing particular procedures (CPTs). On one hand, we can classify surgeons according to patient problems (ICD9s); on the other hand, we can classify surgeons

according to the *solutions*, or the procedures (CPTs) used to treat the problems.

CPT-based HHI scores were calculated for each of the surgeons who had performed procedures at either or both hospitals (UW and HMC). Once again, the surgeons with HHI scores above the 75th percentile were considered subspecialists. Surgeons between the 50th and 75th percentile were then considered specialists; other surgeons under the 50th percentile were then again referred to as generalists.

Tables were again made to evaluate the surgeons' new CPT-based HHI scores. The new CPT-based tables looked very similar to the ICD9-based tables. Most of the surgeons who had performed procedures in both hospitals had similar HHI scores for each hospital. Most surgeons who were generalists in their UW practices were also generalists in their HMC practices. The same went for sub-specialists. In some cases, a surgeon would be either a generalist or a sub-specialist at one hospital, but be a specialist at the other hospital; however, the categorizations almost never jumped over the intermediate (specialist) group. Figure BJ-21 shows part of the table that was constructed.

Both Hospitals		HMC		UW			
Surgeon	HHI	Category	HHI	Category	HHI	Category	Match?
6930	413.47	Generalist			415.25	Generalist	1
6960	1211.07	Specialist	1211.07	Specialist			1
6961	776.92	Specialist	1074.38	Specialist	808.90	Specialist	1
6983	902.10	Specialist	902.1	Specialist			1
6995	621.90	Specialist	621.9	Specialist			1
7000	1322.31	Sub-Specialist			1666.67	Sub-Specialist	1
7001	4127.06	Sub-Specialist			4127.06	Sub-Specialist	1
7012	257.08	Generalist	468.75	Generalist	505.65	Generalist	1
7020	1344.03	Sub-Specialist	1386.92	Sub-Specialist	1872.45	Sub-Specialist	1
7030	1200.00	Specialist					
7052	2071.01	Sub-Specialist			2071.01	Sub-Specialist	1
7056	199.53	Generalist	213.07	Generalist	291.56	Generalist	1
7093	672.05	Specialist	1200	Specialist	649.69	Specialist	1
7099	337.57	Generalist			339.33	Generalist	1
7163	514.05	Generalist			583.28	Generalist	1
7164	855.62	Specialist			855.62	Specialist	1
7270	130.78	Generalist	769.23	Specialist	132.63	Generalist	0
7272	226.49	Generalist	233.99	Generalist	350.62	Generalist	1
7276	2104.50	Sub-Specialist			2139.26	Sub-Specialist	1
7300	294.61	Generalist	1000	Specialist	335.10	Generalist	1

Figure BJ-22

Similarities and Differences between ICD9-based and CPT-based Categorizations

The next task was to find out if a surgeon who is a sub-specialist due to his ICD9 (diagnosis)-based HHI score, is also a sub-specialist due to his CPT (procedure)-based HHI score. In other words, we had to find out if there were a significant number of surgeons who specialized in a particular type of diagnosis, but performed a broad range of procedures; and vice versa.

In order to evaluate this concept, a confusion matrix was built that contained information on surgeon-classifications. It compared the surgeon-classifications decided by ICD9-based HHI scores and the surgeon-classifications decided by CPT-based HHI scores:

241

HMC and UW Surgeons Surgeon groups (Generalist, Sub-Specialist, Specialist) based on diagnosis (ICD9s) compared to Surgeon groups based on medical procedures (CPTs) (Surgeon groups based on HHI percentiles from both HMC and UW) **CPT** Generalist Specialist Sub-Specialist 120 Generalist 104 14 2 ICD9 Specialist 27 22 60 11 Sub-Specialist 5 19 37 61

Figure BJ-23

60

61

120

Figure BJ-23 shows that 61% of ICD9 sub-specialists are also CPT sub-specialists; also, most of the other 39% are classified as specialists. Only in 7 of the 241 cases are there surgeons with both sub-specialist and generalist classifications. This shows that there is a connection classification between ICD9-based and CPT-based classification. Similar confusion matrices were constructed that made the same distinctions for each hospital separately (Figures BJ-24 and BJ-25)

UW Surgeons Surgeon groups (Generalist, Specialist, Sub-Specialist) based on diagnosis (ICD9s) compared to Surgeon groups based on medical procedures (CPTs) (Surgeon groups based on HHI percentiles from both HMC and UW)							
-	·	Generalist	CPT Specialist	Sub-Specialist			
	Generalist	58	7	1	66		
ICD9	Specialist	14	26	14	54		
	Sub-Specialist	4	21	31	56		
		76	54	46	176		

Figure BJ-24

HMC Surgeons

Surgeon groups (Generalist, Specialist, Sub-Specialist) based on diagnosis (ICD9s) compared to Surgeon groups based on medical procedures (CPTs)

(Surgeon groups based on HHI percentiles from both HMC and UW)

•		CPT			
-		Generalist	Specialist	Sub-Specialist	
	Generalist	61	8	1	70
ICD9	Specialist	3	30	5	38
	Sub-Specialist	0	8	15	23
		64	46	21	131

Figure BJ-25

Specialization of Hospitals

Surgeon categorization also allowed us to evaluate the level of specialization in the two separate hospitals (UW and HMC):

Groupings based on ICD9s					
	Generalists	Specialists	Sub-Specialists		
Both HMC and UW	50%	25%	25%		
HMC	53%	29%	18%		
UW	38%	31%	32%		

Groupings based on CPTs						
	Generalists	Specialists	Sub-Specialists			
Both HMC and UW	50%	25%	25%			
HMC	49%	35%	16%			
UW	43%	31%	26%			

Figure BJ-26

These results (Figure BJ-26) show that more of the surgeons at UW would be considered specialists than at HMC.

UW is a tertiary care University medical center, and HMC is primarily a trauma center, so the numerical results are consistent with our expectations. Also, note that the results of ICD9-based groupings are very similar to those of CPT-based results.

Using Surgeon-Classification in the Surgeon-Finder Software

Now that we had developed a mechanism to assign the "sub-specialist," "specialist," classifications and those "generalist," we proceeded to integrate the Surgeon Finder program. The classifications into original Surgeon Finder program allowed the user to enter an ICD9 code, and in returned a list of surgeons who were experienced with treating that ICD9 code or ICD9 codes similar to it. The original program, however, displayed only the number of times a surgeon was referred to. not take into account whether or not the surgeon was specialized in that field, or whether he was experienced in all fields, including that field. This information could prove to be vital in situations where sub-specialists are required. Also, the information can be helpful in situations where a patient does not need a subspecialist, and instead simply wants the closest available general surgeon.

Prior to the HHI-based categorization of surgeons, the Surgeon Finder displayed every surgeon regardless of his specialization, or lack thereof. Integrating the idea of surgeon categorization, the new Surgeon Finder allows the user to select a desired scope of surgeons:

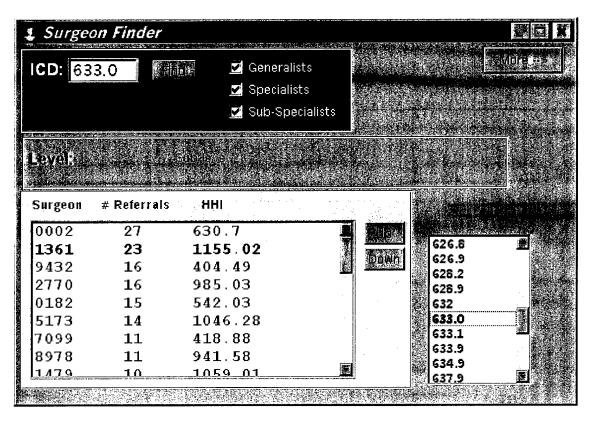


Figure BJ-27

Figure BJ-27 displays the user's new options with the new Surgeon Finder software. Not only can the user now observe and sort surgeons based on their HHI values (degree of specialty), but the user can also choose whether to filter out certain classifications of surgeons:

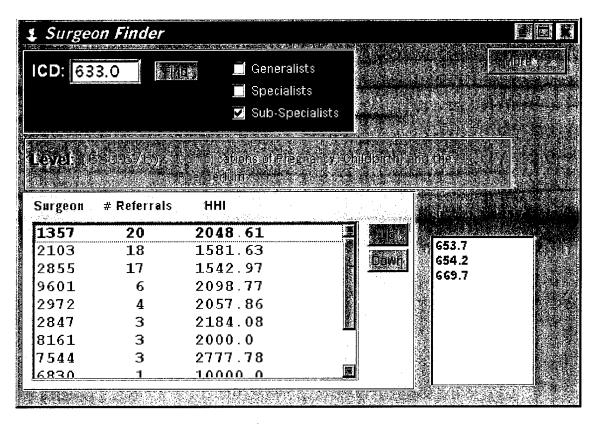


Figure BJ-28

Figure BJ-28 displays an instance where the user desired only sub-specialists. By having only the "Sub-Specialist" box selected, the Surgeon Finder returns only Sub-Specialists who have dealt with similar diagnoses.

Naive Classifier For Use in General Medicine (ICD9 Classifier)

The naive classifier already produced successful results in Dentistry fields. However, it had yet to been tested under more general fields of medicine. Using the statistics from the UW and HMC information, a naive classifier was constructed that classified general medical consults.

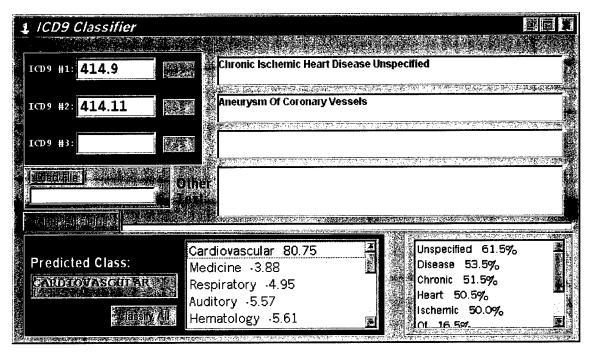


Figure BJ-29

The naive ICD9 Classifier allows a user to enter ICD9 codes as well as other patient descriptions. The consult is classified by using the list of words found in the descriptions of ICD9 codes, as well as the additional text. In Figure BJ-29, an obvious Cardiovascular consult is A classification with a relative score as categorized. high as 80.75 assures that, out of the given categories, the chosen category is almost certainly the codes and when the ICD9 other category. However, descriptions are more ambiguous, the relative classifier scores will be much closer.

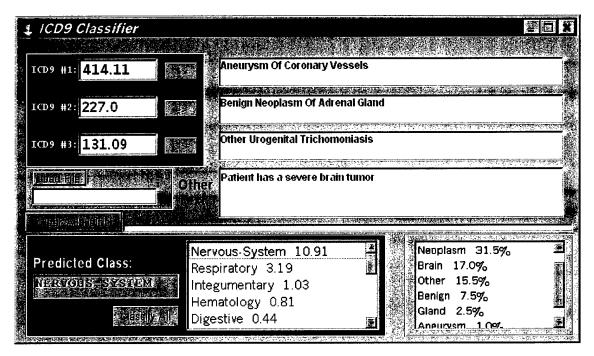


Figure BJ-30

In Figure BJ-30, the classifier is given a very ambiguous diagnosis. Although the three ICD9 codes and the additional commentary are very different from each other, the ICD9 Classifier is still able to return the most likely specialty, based only on the actual words in the descriptions.

Testing on Naive Classifier in General Medicine

Tests were run in order to evaluate the performance of naive classification in general medicine.

Actual	•		-	Predicted	•			
	Cardiovascular	Digestive	Eye & Adnexa	Female Genital	Integumentary	Musculoskeletal	Nervous System	Urinary
. 3/1 0 1001 1	22	0	1	1	1	2	1	2
	0	16	1 4	3	3	0	2	2
	0	0	25	0	1 .	1	0	3
	0	3	0	19	3	0	1	4
	1	4	1	0	19	3	1	1
	0	1	0	2	4	23	0	0
	1	2	0	1	0	0	22	4
	1	3	3	2	1	1	0	19

Figure BJ-31

In order to test the naive classifier's performance in general medicine, we started by taking a subset of the 20 main CPT categories. Figure BJ-31 shows the confusion matrix for the initial test. We took 8 of the main groups with 65 or more instances, and used 35 instances of each group to build the training set. We then tested 30 other instances for each separate group.

The classifier, which works by converting each ICD9 code into its description (e.g. 414.9 ==> "Chronic Ischemic Heart Disease Unspecified"), yielded very promising results. Note that we used only exact matches of words, which meant we did not consider words with a common root but different suffixes to be the same.

The next step was to observe the classifier's performance when using more than 8 of the groups, and more than 30 test cases. Since the classifier seems to work best with an evenly distributed data set, we built a model where each category had 200 instances in its training-set, and 200 instances in its testing-set. Since at least 400 items were required for each category in this test, the 15 categories with 400 or more items were selected for use.

Art.a	١					F	Predicte	ed						·		
	Audit	Card	Dig	Eye	Fem	Hema	Integ	Lapro	Male	Mater	Med	Musc	Nerv	Resp	Urin	
luditory	176	6	1	0	0	1	3	0	2	0	2	2	3	2	2] 2
ardiovascular	1	154	3	0	1	7	2	1	4	1	11	2	4	0	8] 1
ngestive	1	9	84	0	13	20	13	23	3	4	0	1	3	19	7] 2
ye and Adnexa	8	0	0	157	0	6	8	0	3	3	0	5	2	0	6] 1
emale Genital	0	4	5	1	168	5	1	8	0	3	0	0	0	0	5] 2
lematology	0	2	3	0	7	147	19	0	6	1	0	2	3	1	7] 1
tegumentary	7	4	3	1	- 6	67	80	0	3	6	0	23	3	4	4] 2
aproscopic	0	5	18	0	112	3	2	54	1	1	1	0	0	1	- 2] 2
fale Genital	4	0	1	0	11	17	2	1	155	0	0	2	0	0	7] 2
laternity Care	0	0	0	7	14	0	0	2	0	175	0	1	0	0	1] 2
.fedicine	3	25	0	3	0	14	0	0	1	0	151	1	0	0	0] 1
Ausculoskeletal	0	1	0	0	7	12	10	0	3	3	0	154	3	1	6] 2
lervous System	0	4	0	8	1	5	4	0	0	0	0	5	169	1	5] 2
tespiratory	0	0	1	0	3	11	17	0	1	2	0	5	4	152	2] 1
Innary	1	2	5	0	7	3	2	1	28	0	0	5	0	0	146] 2
	201	216	124	175	349	308	163	90	210	199	165	208	194	181	208	2

Figure BJ-32

Artial			-			F	Predicte	ed	-		-				-
= -	Audit	Card	Dig	Eye	Fem	Hema	Integ	Lapro	Male	Mater	Med	Musc	Nerv	Resp	Urin
Apartory	88%	3%	1%	0%	0%	1%	2%	0%	1%	0%	1%	1%	2%	1%	1%
apoje vashusari	1%	77%	2%	0%	1%	4%	1%	1%	2%	1%	6%	1%	2%	0%	4%
Distestive	1%	5%	42%	0%	7%	10%	7%	12%	2%	2%	0%	1%	2%	10%	4%
r yeland Adhela	4%	0%	0%	79%	0%	3%	4%	0%	2%	2%	0%	3%	1%	0%	3%
Temale Geotai	0%	2%	3%	1%	84%	3%	1%	4%	0%	2%	0%	0%	0%	0%	3%
Hematelogy	0%	1%	2%	0%	4%	74%	10%	0%	3%	1%	0%	1%	2%	1%	4%
ntegumentary	4%	2%	2%	1%	3%	29%	40%	0%	2%	3%	0%	12%	2%	2%	2%
Later, scopic	0%	3%	9%	0%	56%	2%	1%	27%	1%	1%	1%	0%	0%	1%	1%
Male Estidal	2%	0%	1%	0%	6%	9%	1%	1%	78%	0%	0%	1%	0%	0%	4%
Maternity 1 are	0%	0%	0%	4%	7%	0%	0%	1%	0%	88%	0%	1%	0%	0%	1%
Medicine	2%	13%	0%	2%	0%	7%	0%	0%	1%	0%	76%	1%	0%	0%	0%
Musturcswifetal	0%	1%	0%	0%	4%	6%	5%	0%	2%	2%	0%	77%	2%	1%	3%
Nerwicus Eystem	0%	2%	0%	3%	1%	3%	2%	0%	0%	0%	0%	3%	85%	1%	3%
Respiratory	0%	0%	1%	0%	2%	6%	9%	0%	1%	1%	0%	3%	2%	76%	1%
Innary	1%	1%	3%	0%	4%	2%	1%	1%	14%	0%	0%	3%	0%	0%	73%

Figure BJ-33

Figures BJ-22 and BJ-23 show remarkably good results. With the exception of the Laproscopic, Integumentary, and Digestive categories, the classifier correctly identified 70% to 90% of its test items. Figure BJ-33 shows both the actual confusion matrix resulting from the test and the percentage in each actual vs. predicted category.

Again, in this test, only exact matches of words were considered. Words with common roots were still being recognized separately. Therefore, it seemed possible that the three challenging categories (Laproscopic, Integumentary, and Digestive) might work out better if the words were grouped by root, as opposed to all being treated as distinct. In order to test a model that considered some words with common roots to be equal, a classifier was built that recognized only the first n letters of every word.

A.T.A						F	Predicte	:d								
	Audit	Card	Dig	Eye	Fem	Hema	Integ	Lapro	Male	Mater	Med	Musc	Nerv	Resp	Urin	_
Auditory	176	6 .	1	0	0	0	3	0	2	0	2	3	3	3	1	20
Cardiovascular	0	158	2	0	5	7	1	2	3	2	7	2	6	0	4	19
Digestive	2	5	87	0	13	20	9	24	2	11	0	1	2	20	4	20
Eye and Adnexa	6	0	1	157	0	6	10	0	5	4	0	4	2	2	1] 19
Female Genital	0	4	5	1	170	4	1	10	0	2	0	0	0	0	3	20
Hematology	0	2	1	0	7	151	18	0	7	1	0	0	3	1	7	19
ntegumentary	3	4	В	1	6	60	77	0	3	5	0	26	- 5	2	5] 20
_aproscopic	0	5	20	0	96	1	2	71	0	1	1	0	2	1	0	20
vlale Genital	0	0	1	0	11	9	2	1	165	0	0	1	4	1	5	20
Maternity Care	0	0	1	7	14	1	0	2	0	174	0	0	0	0	1	20
vledicine	1	28	0	5	0	14	1	0	1	0	148	0	0	0	0	19
vlusculoskeletal	0	1	3	0	2	12	10	0	3	3	0	156	3	6	1	20
Nervous System	0	2	5	3	2	7	6	0	0	0	0	5	167	2	1	20
Respiratory	0	0	1	0	5	8	15	0	2	2	0	7	5	152	1	19
Jrinary	1	16	0	0	11	0	3	3	28	1	0	3	1	1	132] 20
	189	231	131	174	342	300	158	113	221	206	158	208	203	191	166	29

Figure BJ-34

Artual	l					F	redicte	d							
	Audit	Card	Dig	Eve	Fem	Hema	Intea	Lapro	Male	Mater	Med	Musc	Nerv	Resp	Urin
Associations	88%	3%	1%	0%	0%	0%	2%	0%	1%	0%	1%	2%	2%	2%	1%
arcyc yashular	0%	79%	1%	0%	3%	4%	1%	1%	2%	1%	4%	1%	3%	0%	2%
Didestive	1%	3%	44%	0%	7%	10%	5%	12%	1%	6%	0%	1%	1%	10%	2%
r ye and Adhelia	3%	0%	1%	79%	0%	3%	5%	0%	3%	2%	0%	2%	1%	1%	1%
Tem se Gerifac	0%	2%	3%	1%	85%	2%	1%	5%	0%	1%	0%	0%	0%	0%	2%
Termate Loay	0%	1%	1%	0%	4%	76%	9%	0%	4%	1%	0%	0%	2%	1%	4%
reequinentary	2%	2%	2%	1%	3%	30%	39%	0%	2%	3%	0%	13%	3%	1%	3%
Later Lace (A.f.)	0%	3%	10%	0%	48%	1%	1%	36%	0%	1%	1%	0%	1%	1%	0%
Make exhibited	8	0%	1%	0%	6%	5%	1%	1%	83%	0%	0%	1%	2%	1%	3%
Materiaty are	0%	0%	1%	4%	7%	1%	0%	1%	0%	87%	0%	0%	0%	0%	1%
'dedicate	1%	14%	0%	3%	0%	7%	1%	0%	1%	0%	74%	0%	0%	0%	0%
Mushudskoletal	0%	1%	2%	0%	1%	6%	5%	0%	2%	2%	0%	78%	2%	3%	1%
Nervous System	0%	1%	3%	2%	1%	4%	3%	0%	0%	0%	0%	3%	84%	1%	1%
Recpiratory	0%	0%	1%	0%	3%	4%	8%	0%	1%	1%	0%	4%	3%	76%	1%
in hary	1%	8%	0%	0%	6%	0%	2%	2%	14%	1%	0%	2%	1%	1%	66%

Figure BJ-35

Figures BJ-34 and BJ-35 show the results of considering all words beginning with the same four letters to be the same. This method, which attempted to sort words by root, did not seem to make much difference compared to the exact match method. Other tests were then run using the first 5, 6, and 7 letters of words, but those made even less difference than the initial 4-letter root test. As seen in Figure BJ-36, this root method inaccurately grouped some very different words together:

```
(with without)
(procedure proctocolitis)
(hearing heart)
(polymorphonuckar polyostotic polyneuritis...)
(postsurgical postpartum postmenopausal...)
```

Figure BJ-36

Despite these obvious mistakes, the results didn't change much. The Laproscopic category improved slightly, and the overall performance was improved by 0.7%. It seems, in order to effectively group words by root, an electronic thesaurus may be required.

Testing Sub-Categories of the Cardiovascular Class

The next task was to classify more specific CPT categories. Under the each of the main CPT categories, there exist more specific sub-categories. We took the 22 sub-categories of the Cardiovascular category and ran tests to see whether or not the naive classifier could handle more specific categorizations.

The first test used every Cardiovascular sub-class with at least 20 related consults:

	Pace	Veno	Thro	Thor	Вура	Vasc	Card	Aort	Dire	Liga	Sept	Hear	Ежр1	Inte	Embo	Peri
Pace	235	27	0	0	0	0	_	0	0	 	1	13	0	0	۵	D
Veno	0	1651	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Thro	0	8	47	0	7	0	0	0	0	0	0	0	0	0	5	а
Thor	0	1	0	42	0.	0	4	0	7	0	D	G	0	0	0	1
Вура	0	1	7	3	61	0	0	D	6	0	0	0	0	0	7	0
Vasc	0	13	0	0	1	34	0	0	0	0	0	7	2	0	1	ם
Card	1	6	0	0	0	1	231	0	0	0	0	0	0	0	0	2
Aort	0	0	0	0	0	0	0	36	0	0	1	0	0	0	0	0
Dire	0	4	2	10	4	0	0	0	34	0	0	0	0	0	0	0
Liga	0	0	٥	0	0	0	0	0	0	23	0	0	2	0	2	0
Sept	0	0	0	0	0	0	0	0	0		14	0	0	0	0	0
Hear	0	3	0	0	0	0	0	0	0	0.	0	46	0	0	0	0
Expl	0	2	1	1.	3	0	0	0	1	0	0	0	103	0	6	5
Inte	0	0	2	0	0	0	0	0	0	0	0	0	0	0	6	0
Embo	0	1	7	0	0	0	0	0.	0	D	0	٥	0	0	13	0
Peri	0	0	0	0	0	0	1	0	0	0	ם	0	1	0	0	19

```
65% Pacemaker or Defibrillator
Pace
    99% Venous Grafting Only for Coronary Artery Bypass
62% Thromboendarterectomy
Veno
    62% Thromboendarterectomy
71% Thoracic Aortic Aneurysm
62% Bypass Graft
Thro
     11% Inoracic Aortic Aneurysm
62% Bypass Graft
15% Vascular Injection Procedures
79% Cardiac Valves
Thor
Вура
Vasc
      79% Cardiac Valves
Card
Aort 92% Aortic Anomalies
      92% Aortic Anomalies
62% Direct Repair of Aneurysm or Excision (Partial or Total) and Graft
Dire
      58% Ligation and Other Procedures
Liga
      788 Septal Defect
718 Heart /Lung Transplantation
748 Exploration
08 Intervascular Cannulization or Shunt
418 Embolectomy/Thrombectomy
688 Pericardium
Sept
Hear
Expl
Inte
Embo
Peri
```

Figure BJ-37

Figure BJ-37 shows that the initial testing of more specific categorization had some success. In the next step, however, we wanted to try using an unevenly distributed training set, which better represented the overall distribution of the sub-categories. We randomly assigned half of the data to the training set and the rest to the test set.

Artu	al .							Pred.	icted			-		,		-		-	
	VENO	PACE	VASC	CARD	EXPL	BYPA	INTE	THRO,	THOR	HEAR	DIRE	LIGA	ЕМВО	ARTE	AORT	SEPT	OTHE	PERI	POTAL
VEND	1651	0	0	1	0	0	0	0	0	D	0	0	4	2	0	0	1	0	1659
DACE	27	279	0	2	0	0	1	0	0	14	0	0	6	0	0	2	28	2	361
VASI	11	1	82	4	2	1	50	0	0	12	0	1	12	2	0	1	46	0	225
"AFD	6	2 .	1	266	D	0	0	1	0	1	0	0	0	1	0	0	10	2	290
t dela	2	0	0	D	103	5	6	1	1	0	1	1	6	0	0	0	7	6	139
E. PA	1	0	0	0	0	67	1	5	3	0	8	2	В	0	0	0	3	1	99
15.14	0	1	2	0	0	1	51	2	0	0	0	0	9	1	0	0	3	0	70
11.1	8	0	0	0	0	10	2	48	0	0	0	0	6	2	0	0	0	0	76
11. 4	1	0	0	4	0	0	0	0	42	0	7	0	0	0	0	0	4	1	59
1.F.A1.	3	0	0	0	0	0	0	0	0	55	0	0	0	D	0	0	5	0	63
DIF.E	4	0	0	0	0	4	0	2	10	0	34	0	0	0	0	0	0	1	55
LIDA	0	0	1	0	2	2	0	0	0	0	0	25	2	B	0	0	8	0	40
EMED	1	0	0	0	0	2	4	7	0	0	0	0	15	0	0	0	2	0	31
AFIE	1	0	0	0	0	0	0	0	D -	0	0	0	0	0	0	0	0	0	1
ADET	0	0	0	0	0	0	0	0	0	0	D	0	0	0	37	1	1	0	39
AEDI	0	0	0	0	0	0	0	1	D	0	0	Ω.	0	0	0	15	1	1	18
Ollik	5	15	0	1	2	0	0	0	0	2	0	1	0	0	0	1	17	1	45
54. E. I	0	1	0	1	1	0	0	0	0	0	0	D	1	1	0	0	2	21	28
TOT	1721	299	86	279	110	92	115	67	56	84	50	30	69	9	37	20	138	36	3298
				-									-						
	.1031 . 11		mm+1.5 **		n 2:n:	****	DTEEN	-DYPAGE	,	99.5%	}								
			R-DEFI			NAB I - A		·DIFM.J.		77.3%			•						
					EDUPES					36.4%	-								
	CARDIA									91.7%	·								
	EMPLE									74.1%									
	BYPASS			MISH I II A	TION 6	N SHIIN	rr.			67.7% 72.9%									
			RTEREC		11.11	r Shor	•			63.2%									
Trop	TH.PA.	110 A0	STEC A	NEURYS	М					71.2%									
			TRANSP							87.3%									
_							CM-FAF	TIAL-C	P-TOT.	61.8% 62.5%									
LIGA			D-OTHE THE ON		EDURES					48.4%		'							
ARTE	_				ORONAR	Y-ARTE	RY-BYF	ASS		0.0%									
1097		'- AMON								94.9%									
	SEPTAL									83.3%									
PERI	PERICA	אווד חם. אווד חם	HI HE							37.8% 75.0%									
PERI	LEKICI	PUDIOU								73.00		•				-			

Figure BJ-38

This test (Figure BJ-38) actually yielded better results, perhaps due to the more realistic distribution of Cardiovascular sub-categories.

Next, we tested using a more evenly balanced training set in order to observe the difference between the two methods (even vs. uneven data-set). A training set of size 50 was used for each sub-category that contained 50 or more instances. Eighteen of the classes could be tested with this method. Figures BJ-39 and BJ-40 display the results of this test.

17.8	l								Predic	ted									
	PERI	OTEE	SEPT	AORT	ARTE	EMBO	LIGA	DIRE	HEAR	THOR	THRO	INTE	BYPA	EXPL	CARD	VASC	PACE	VENO	TA
12.0	4	0	0	0	0	1	0	0	0	0	0	0	0	Ü	0	٥	0	0	5
11	0	4	0	0	0	Ð	0	٥	0	٥	0	D	0	0	Q	0	1	0	5
	0	0	5	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0] 6
	0	0	0	9	0	Ω	0	0	0	0	0	0	0	0	0	0	0	0	9
ARTE	٥	0	0	0	30	0	٥	0	0	0	a	٥	0	0	0	0	0	0	30
	0	0	0	0	1	21	0	0	0	0	9 .	7	3	2	0 .	0	٥	0	43
	1	0	٥	0	0	4	35	1	1	0	1	2	2	2	0	2	1	0	52
	1	0	0	0	5	0	0	4.5	D	13	2	0	4	0	0	0	0	0	70
	1	1	0	0	4	2 -	2	0	78	0	0	0	0	0	0	D	٥	0	80
	1	0	1	0	1 .	2 .	1	10	1	81	0	0	0	0	9	0	٥	0	107
	0	0	0	0	11	13	0	1	0	0 .	65	2	13	0	0	٥	1	2	108
1.	2	1	0	0	0	23	1	٥	0	0	2 .	92	1 .	3	0	2	1	1	129
	0	0	٥	0	4	19	3	12	0	3	10 .	2	123	1 .	0	О	٥	٥	177
	13	0	0	0	1	31	2	1	0	1	3	13	9	203	0	0	٥	2	279
	10	1	3	0	20	4	0	0	4	2	2	0	o	2	486	0	4	5	543
	33	3	6	0	21	84	7	6	46	0	2 -	187	32	17	0	332	11	7	794
	5	33	1	0	55	2	0	0	44	1	6	0	23	7	4	0	630	4	815
VERO	0	0	0	0	2322	0	1	0	3	0	0	0 -	1	0	1	٥	2	49	2379
TOTAL	71	43	. 16	9	2475	206	52	76	169	101	103	305	211	237	500	336	651	70	5631

PERI PERICARDIUM
OTHER
OTHER PROCEDURES
SEPT SEPTAL DEFECT
AORT
AORT
ACRICA AND MAJES
ARTE ARTERIAL GRAFTING-FOR-CORONARY-ARTERY-BYPASS
EMBOLECTOMY THROMEECTOMY
LIGATION-AND-OTHER PROCEDURES
DIRE DIRECT REPAIR OF ANEURY SM- OR EXCISION PARTIAL OR TOTAL AND-GRAFT-INSERTION-FORANEURY SMF-FALSE-ANEURY SM- RUPTURED-ANEURY SM- AND-ASSOCIATED-OCCLUSIVE-DISEASE
HEAR HEART LUNG-TRANSPLANIATION
THOR THORACIC AORTIC-ANEURY SM
THRO THRO THORACIC AORTIC-ANEURY SM
THRO THORACIC AORTIC-ANEURY SM
THRO THORACIC AORTIC-ANEURY SM
THRO THORACIC AORTIC-ANEURY SM
THRO TH

Figure BJ-39

		# Correctly Classified	# in Class	Pct. Correct
PERI	PERICARDIUM	4	# III Class	80%
OTHE	OTHER-PROCEDURES	4	5	80%
SEPT	SEPTAL-DEFECT	5	6	83%
AORT	AORTIC-ANOMALIES	9	9	100%
ARTE	ARTERIAL-GRAFTING-FOR-CORONARY-ARTERY-BYPASS	30	30	100%
MBO	EMBOLECTOMY-THROMBECTOMY	21	43	49%
JGA	LIGATION-AND-OTHER-PROCEDURES	35	52	67%
)IRE	DIRECT-REPAIR-OF-ANEURYSM-OR-EXCISION-PARTIAL-OR-TOTAL-AND-GRAFT-INSERTION-FOR	45	70	64%
HEAR	HEART-LUNG-TRANSPLANTATION	70	80	88%
HOR	THORACIC-AORTIC-ANEURYSM	81	107	76%
HRO	THROMBOENDARTERECTOMY	65	108	60%
NTE	INTERVASCULAR-CANNULIZATION-OR-SHUNT	92	129	71%
3YPA	BYPASS-GRAFT	123	177	69%
EXPL	EXPLORATION	203	279	73%
ARD	CARDIAC-VALVES	486	543	90%
/ASC	VASCULAR-INJECTION-PROCEDURES	332	794	42%
ACE	PACEMAKER-OR-DEFIBRILLATOR	630	815	77%
/ENO	VENOUS-GRAFTING-ONLY-FOR-CORONARY-ARTERY-BYPASS	49	2379	2%
ОТ	TOTAL	2284	5631	41%
	Over 70%			
	60-70%			

60-70% Under 60% (For classes with at least 20 test cases)

Figure BJ-40

This method, for most sub-categories, was somewhat more effective. However, a major problem with this method was the *VENO* class. VENO includes about 42% of all the observations, posing a problem for the type of reasoning used in the classifier.

Again, we tried a similar test method. By using a data set of size 25, we were able to incorporate all 22 Cardiovascular sub-categories.

	comb	WOUN	REPB	REPA	PERI	отне	SEPT	AORT	ARTE	EMBO	LIGA	DIRE	HEAR	THOR	THRO	INTE	BYPA	EXPL	CARD	VASC	AEHO	PACE	TOT
0116	0	0	0	0	0	0	0	0	0	0	0.	0	0	0	0	0	0	0	0	0	0	0	0
0.5, 24	0	1	0	0	0	0	0	B	٥	0	0	0	0	O	0	0	0	0	0	۵	0	0	1
PECB	0	1	0	0	0	0	0	0	0	1	0	0	0	D	0	0	0	0 -	0	0	c	D	2
PELL	0	0	0	2	0	0	0	0	0	1	0	0	0	1	0	1	٥	0	0	0	0	0	5
PFFT	1	0	1	٥	22	0	0	0	0	2	0	0	0	0,	٥	D	1	1 1	1	0	1	0	30
THE	4	0	0	0	0	13	0	0	0	0	0	0	2	0	1	0	0	2	0	0	0	В	30
SELI	D	0	0	0	0	0	26	0	0	1	1	1	0	0	2	0	D	0	0	0	0	0	31
205T	0	0	0	0	0	0	2	32	0	0	0	8	0	0	0	0	0	0	0	٥	0	D	34
SELI	53	0	0	0	0	0	0	0	0	0	0	0 -	0	0	0	ם	0	0	1	0	1	0	55
Effe .	2	0	4	1	0	0	0	0	0	31	0	1	0	0	12	8	7	2	0	0	0	0	68
LEGA	1	0	2	3	1	0	0	0	0	4	51	2	1	0	2	3	3	2	0	2	0	0	77
F) → E.	5	12	1	0	1	0	0	0	0	1 ,	1	64	0	г.	3	1	4	0	0	0	_	0	95
HERI	9	0	0	۰	0	1	0	0	0	0	4	0	91	D	0	0	0	0	0	0	0	0	105
THOP	3	34	0	۰	1	0	1	0	0	1	1	10	1	66	1	0	0	0	11	0	2	0	132
THE	16	0	0	1	0	0	0	0	0	11	0	0	0	0	85	1	16	0	0	0	2	1	133
UDDE	2	0	10	9	0	1	0	0	0	27	1	0	0	0	2	97	1	0	0	2	1	1	154
EVEL	3	2	4	۰	0	0	0	0	1	22	6	7	0	1	16	0	139	1	0	0	0	0	202
EHEL	6	1	7	3	11	1	٥	0	0	29	1	3	0	0	3 .	8	8	223	0	0	0	0	304
Tall (D)	30	1	1	0	4	4	2	0	0	5	0	1	4	1	2 .	ם	0	2	507	0	2	2	568
VAST	74	9	19	11	5	13	6	0	0	49	14	12	46	0	4	182	13	13	0	333	11	5	819
71 140	2341	4	D	0	0	1	0	0	1	5	1	0	3	0	0	0	1	0	1		45	1	2404
Par E	65	_1_	33		1	99	1	0	1	0	0	1	42	1	6	0	23	1 1	4	0	3	558	840
TOT	2615	66	82	30	46	133	38	32	. 3	190	81	102	190	72	139	301	216	247	525	337	68	576	6089

Figure BJ-41

'		Classified	#of	Pct.
		Correctly	Consults	Correct
COMB	COMBINED ARTERIAL VENOUS GRAFTING FOR CORONARY BYPASS	0	0	0%
WOUN	WOUNDS-OF-THE-HEART-AND-GREAT-VESSELS	1	1	100%
REPB	REPAIR-BLOOD-VESSEL-OTHER-THAN-FOR-FISTULA-WITH-OR-WITHOUT-PATCH-ANGIOPLASTY	0	2	D%
REPA	REPAIR-ARTERIOVENOUS-FISTULA	2	5	40%
PERI	PERICARDIUM	22	30	73%
OTHE	OTHER-PROCEDURES	13	30	43%
SEPT	SEPTAL-DEFECT	26	31	84%
AORT	AORTIC-ANOMALIES	32	34	94%
ARTE	ARTERIAL-GRAFTING-FOR-CORONARY-ARTERY-BYPASS	0	55	0%
EMBO	EMBOLECTOMY-THROMBECTOMY	31	68	46%
LIGA	LIGATION-AND-OTHER-PROCEDURES	51	77	66%
DIRE	DIRECT-REPAIR-OF-ANEURYSM-OR-EXCISION-PARTIAL-OR-TOTAL-AND-GRAFT-INSERTION-FOR-ANEU	64	95	67%
HEAR	HEART-LUNG-TRANSPLANTATION	91	105	87%
THOR	THORACIC-AORTIC-ANEURYSM	66	132	50%
THRO	THROMBOENDARTERECTOMY	85	133	64%
INTE	INTERVASCULAR-CANNULIZATION-OR-SHUNT	97	154	63%
BYPA	BYPASS-GRAFT	139	202	69%
EXPL	EXPLORATION	223	304	73%
CARD	CARDIAC-VALVES	507	568	89%
VASC	VASCULAR-INJECTION-PROCEDURES	333	819	41%
VENO	VENOUS-GRAFTING-ONLY-FOR-CORONARY-ARTERY-BYPASS	45	2404	2%
PACE	PACEMAKER-OR-DEFIBRILLATOR	558	840	66%
		2386	6089	39%

Over 70%				
60-70%	 	Classified	# of	Pct.
Under 60%		Correctly	Consults	Correct
(For classes with at least 20 test cases)	TOTAL	2341	3685	64%
	(minus VE	NO class)		

Figure BJ-42

The results shown in Figures BJ-41 and BJ-42 were not as good as those shown in Figures BJ-39 and BJ-40. While the new test (Figures BJ-41 and BJ-42) allowed for more categories, it did not have as big of a data set as the

test in Figures BJ-39 and BJ-40. This shows the struggle between having enough information in the training set, and being able to assess a large number of categories.

Testing Integumentary Sub-categories

After evaluating the performance of the naive classifier with specific Cardiovascular sub-categories, we also tried similar tests for the Integumentary class.

In these tests, we randomly split each sub-category into two separate groups - groups A and B. These divisions are shown in Figure BJ-43.

	Total	A	В
EXCISION	372	187	185
REPAIR-AND-OR-RECONSTRUCTION	232	113	119
INCISION-AND-DRAINAGE	227	110	117
EXCISION-DEBRIDEMENT	225	103	122
DESTRUCTION-BENIGN-OR-PREMALIGNANT-LESIONS	157	76	81
FREE-SKIN-GRAFTS	150	72	78
FLAPS-SKIN-AND-OR-DEEP-TISSUES	146	63	8 3
REPAIR-COMPLEX	137	77	60
EXCISION-BENIGN-LESIONS	110	49	61
ADJACENT-TISSUE-TRANSFER-OR-REARRANGEMENT	102	50	52
OTHER-REPAIR-PROCEDURES	89	52	37
PRESSURE-ULCERS-DECUBITUS-ULCERS	80	42	38
EXCISION-MALIGNANT-LESIONS	76	35	41
MISCELLANEOUS	37	15	22
OTHER-FLAPS-AND-GRAFTS	30	12	18
REPAIR-INTERMEDIATE	30	14	16
OTHER-DESTRUCTION-PROCEDURES	18	9	9
INTRODUCTION	17	7	10
MOHS-MICROGRAPHIC-SURGERY	17	13	4
OTHER-BREAST-PROCEDURES	17	9	8
REPAIR-SIMPLE	16	10	6
INCISION	13	9	4
NAILS	9	4	5
BIOPSY	4	2	2
BURNS-LOCAL-TREATMENT	3	3	
REMOVAL-OF-SKIN-TAGS	2	2 -	
DESTRUCTION-MALIGNANT-LESIONS-ANY-METHOD	1		1

Figure BJ-43

Testing on the Integumentary sub-categories was then done by first using A as the training set while testing B; then by using B as the training set while testing A.

	A	В	l c	D	E	F	G	H	Ι.	J	ĸ	L	H	N	٥	P	Q	R	· 5	Т	σ	v	¥	X.	Y	Total
A	7	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	9
В.		0	1	D	0	0	D	0	0	0	0	0	0	0	٥	0	0	0	0	٥	0	0	1	0	۵	2
С	0	0	0	0	0	0	0	С	0	0	0	0	0	0	٥	0	0	0	0	0	٥	0	0	0	٥	0
D	0	0	3	0	0	0	1	0	0	0	0	0	0	0	٥	0	0	0	0	0	1	٥	1	1	0	7
E	1	0	4	D	0	0	0	0	0	0	0	0	0	0	o	0	0	0	0	0	0	٥	0	4	0	9
7	1	0	6	0	0	1	D	0	0	0	1	0	0	0	٥	0	0	٥	0		٥	0	1	D	0	10
G	0	0	2	٥	0	0	4	1	0	0	0	0	0	0	o	0	0	0	0	0	0	0	6	0	0	13
H	0	2	11	٥	0	0	6	10	0	٥	4	0	0	0	0	0	D	0	0	0	٥	0	2	0	0	35
I	0	0	1	0	0	0	1	0	0 .	В	1	0	0	0	1	1	ם	0	0	0	0	1	5	0	1	12
J	0	2	2	٥	0	0	0	1	0	63	2	0	0	0	٥	0	0	0	6	0	0	0	0	D	0	76
K	0	8	10	٥	0	0	3	0	0	0	15	2	Đ	0	0	2	D	0	7	1	٥	1	0	0	0	49
L	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	1	D	0	0	0	0	0	0	0	0	4
M	0	5	24	0	0	18	10	2	0	ß	0	3	0	1		D	1	0	0	1	0	0	6	5	1	77
N	0	2	4	٥	0	1	1	0	0	0	0	2	D	0	-	0	Ð	0	0	1	0	0	2	1	0	14
_ 0	1	6	24	1	1	3	4	1	0	0	0	13	0	0	5	2	5	0	1	11	O	9	5	8	2	102
P	0	0	0	0	0	0	0	0	0	0	0	0	0	ß	٥	1.5	0	0	0	0	D	0	0	0	0	15
_ Q	0	5	15	0	0	1	6	3	0	0	1	9	0	0	2	1	5 .	0	0	3	0	5	10	5	1	72
R	1	1	10	٥	D	0	9	1	٥	0	3	4	0	0	0	1	1	0	1	0	0	6	23	1	1	63
5	0	0	2	0	0	0	0	0	0	5	1	0	0	0	٥	0	D	0	0	1	0	0	D	0	0	9
T	10	11	26	0	0	2	2	0	0	0	2	7	0	0	1	2	0	0	0	44	0	1	2	0	0	110
U	5	0	7	0	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	45	0	0	53	0	113
V	0	1	3	0	0	D	0	0	0	0	1	0	0	0	0	1	D	0	0	1	0	35	D	0	0	42
	0	3	7	1	0	0	9	1	٥	0	2	4	0	1	0	0	0	0	0	0	0	3	17	2	0	50
x	4	1	1	0	0	0	0	0	0	0	1	0	0	0	-	0	D	0	0	0	4	-	0	176	0	187
	1	10	6	0	0	3	2	0	0	0	3	3	0	1		D	0	0	0	1	1	<u> 2</u>	3	0	16	52
	31	59	171	2	4	29	50	20	۵	68	37	47	0	4	9	26	12	0	15	64	51	63	84	256	22	1132

Code	Description	Number correctly classified	Total	Percent correctly classified
A.	INCISION	7	9	78%
В	BIOPSY	0	2	0%
c	DESTRUCTION-MALIGNANT-LESIONS-ANY-METHOD	0	0	N/A
D	INTRODUCTION	0	7	D%
E	OTHER-BREAST-PROCEDURES	0	9	0%
F	REPAIR-SIMPLE	1	10	10%
G	MOHS-MICROGRAPHIC-SURGERY	4	13	31%
H	EXCISION-MALIGNANT-LESIONS	10	35	29%
I	OTHER-FLAPS-AND-GRAFTS	0	12	0%
J	DESTRUCTION-BENIGN-OR-PREMALIGNANT-LESIONS	63	76	83%
K	EXCISION-BENIGN-LESIONS	15	49	31*
L	NAILS	0	4	0%
M	REPAIR-COMPLEX	0	77	0%
N	REPAIR-INTERMEDIATE	0	14	0\$
0	EXCISION-DEBRIDEMENT	5	102	5≒
P	MISCELLANEOUS	15	15	100%
Q	FREE-SKIN-GRAFTS	5	72	.7\$
R	FLAPS-SKIN-AND-OR-DEEP-TISSUES	0	63	0%
ສ	OTHER-DESTRUCTION-PROCEDURES	0 -	9	0%
T	INCISION-AND-DRAINAGE	44	110	40%
U	REPAIR-AND-OR-RECONSTRUCTION	45	113	40%
V	PRESSURE-ULCERS-DECUBITUS-ULCERS	35	42	83%
¥	ADJACENT-TISSUE-TRANSFER-OR-REARRANGEMENT	17	50	34%
X	EXCISION	176	187	94%
Y	OTHER-REPAIR-PROCEDURES	16	52	31%
	Overall	458	1132	40%

Figure BJ-44

		В	l c	D	E		G	H	r l	J.	ĸ	L	H	N	0	P	۰	R	s	Ť	σ	v	¥	x i	Y +	z	Total
1	0	0	0	0	0	0	0	0	٥	0	0	0	0	0	0	0	0	D	0	0	0	0	٥	0	٥	0	0
В	2	0	0	0	0	0	0	0	0	٥	۰	0	٥	٥	0	0	۰	0	9	0	٥	0	0	0	0	0	2
С	0	0	0	0	٥	٥	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	1	2	0	1	٥	٥	٥	0	0	0	1	1	٥	٥	0	٥	0	٥	0	0	0	3	0	1	0	0	10
Ε	0	1	٥	0	2	0	0	0	٥	٥	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	4
7	٥	0	٥	٥	0	0	e	9	٥	0	0	4	0	1	٥	0	0	2	0	0	0	0	2	0	0	0	9 .
G	5	6	1	0	0	0	0	1	1	0	3	0	٥	0	0	D	0	0	0	2	0	2	31	0	0	0	52
Ħ	4	1	2	٥	0	0	0	1	٥	0	1	0	٥	0	0	2	0	٥	0	1	1	0	3	0	0	0	16
I	4	1	2	0	0	0	0	0	1	0	0	0	1	0	0	0	0	D	0	1	0	2	6	0	0	0	18
J	4	6	2	٥	0	٥	0	٥	2	11	2	2	۰	1	0	0	0	0	1	1	٥	2	1	0	۰	1	36
K	0	8	1	0	0	0	0	0	0	0	24	0	0	0	0	0	Ω	0	1	0	0	2	5	C	0	0	41
L	0	6	6	1	0	0	0	0	٥	1 -	20	16	1	2	0	1	0	1	-	1	٥	1	4	0	0	0	61
Ħ	13	8	4	C	2	0	0	4	2	0	3	2	2	0	0	1	1	0	1	8	1	4	26	0	0	11_	83
N	1	0	۰	0	٥	C	٥	٥	0	0	۰	٥	0	20	0	0	۰	0	1	0	_	0	0	0	۰	0	22
_ 0	1	2	0	0	0	0	0	0	0	0	٥	0	0	0	0	1	0	0	1	0	0	0	0	в	0	0	5
P	٥	3	1	٥	0	C	0	0	0	0	0	0	٥	0	0	0	0	0 .	٥	٥	2	0	0	٥	-	0	6
Q	0	1	_	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	4	0	0	0	0	8
R	4	٥	٥	۰	۰	_	0	0	-	۰	1	7	٥	٥	0	0	۰	69	-	•	0	0	0	0	9	•	81
_ 5	14	23	3	1	2	0	0	1	0	0	2	3	0	2	0	6	7	0	50	0	0	2	0	٥	0	1	117
T	3	٥	2	٥	۰	0	0	0	۰	0	0	0	1	٥	0	0	۰	0	0	31	-	0	0	0	0	1	38
	12	7	2	0	0	0	0	2	0	0	5	•	2	0	0	5	0	0	1	2	9	2	10	0	0	1	60
	3	5	٥	٥	4	0	٥	0	-	0	1	٥	٥	0	0	0	2	0		0	0	167	•	3	0	0	185
	0	0	0	0	0	0	0	0	0	0	۰	0	0	0	0	0	0	0	0	0	0	0	4	0		0	4
_ I	7	5	1	0	1	0	0	0	9	2	0	0		0	0	0	٥	٥	L°.	-	-	38	0	65	_	0	119
<u> </u>	23	7	7	0	0	0	0	1	0	0	3	0	0	0	1	7	0	0	2	5	1_	1	15	0	1	4	78
Z	13	23	4	3	3	0	0	4	٥	0	<u>2</u>	4	0	2	1	9	1	0	19	13	3_	4	2	0	1	11	122
Total	114	115	38	6	16	0	D	14	6	14	68	39	7	28	2	32	12	72	78	65	17	234	109	69	2	20	1177

Code	Description	Number correctly classified	Total	Percent correctly classified
A	REMOVAL-OF-SKIN-TAGS	0	0	0%
В	BIOPSY	0	2	0%
C	BURNS-LOCAL-TREATMENT	0	0	0%
D	INTRODUCTION	1	10	10%
E	INCISION	2	4	50%
F	OTHER-DESTRUCTION-PROCEDURES	0	9	0*
G	ADJACENT-TISSUE-TRANSFER-OR-REARRANGEMENT	0	52	0%
H	REPAIR-INTERMEDIATE	1	16	6%
I	OTHER-FLAPS-AND-GRAFTS	1	18	6*
J	OTHER-REPAIR-PROCEDURES	11	36	31%
K	EXCISION-MALIGNANT-LESIONS	24	41	59%
L	EXCISION-BENIGN-LESIONS	16	61	26%
M	FLAPS-SKIN-AND-OR-DEEP-TISSUES	. 2	83	2*
N	MISCELLANEOUS	20	22	91*
0	NAILS	0	5	04
P	REPAIR-SIMPLE	0	6	0%
Q	OTHER-BREAST-PROCEDURES	1	8	13%
R	DESTRUCTION-BENIGN-OR-PREMALIGNANT-LESIONS	69	81	85%
ສ	INCISION-AND-DRAINAGE	50	117	43%
T	PRESSURE-ULCERS-DECUBITUS-ULCERS	31	36	82%
U	REPAIR-COMPLEX	9	60	15%
V	EXCISION	167	185	90%
IJ	MOHS-MICROGRAPHIC-SURGERY	4	4	100%
X	REPAIR-AND-OR-RECONSTRUCTION	65	119	55%
Y	FREE-SKIN-GRAFTS	1	78	1%
Z	EXCISION-DEBRIDEMENT	11	122	9%
	Total	486	1177	41%

Figure BJ-45

Both tests (Figures BJ-44 and BJ-45) show that an unevenly trained data set performs quite poorly for the Integumentary categories. In order to handle this more difficult category, we used the even approach. By using 50-consult training sets for each sub-category with at least 50 instances, we built an evenly distributed data set.

	EXCM	PRES	OTHE	ADJA	EXCB	REPC	FLAP	FREE	DEST	EXCD	INCI	REPA	EXCI	Total
$\mathbb{N}_{\mathbb{Z}}[\mathbb{N}]$	19	0	0	2	4	0	0	0	0	0	0	0	1	26
FL3	0	24	0	0	2	1	0	0	0	1	2	0	0	30
1-11-	2 .	2	21	3	4	1	2	0	0	0	3	0	1	39
DEA	7	3	1	28	2	3	6	0	0	1	0	0	1	52
: r^F	7	1	1	6	35	3	0	2	1	1	3	0	0	60
FF T	14	0	1	15	0	39	4	1	0	0	9	0	4	87
_ A.T.	3	10	3	52	8	5	5	2	0	0	6	0	2	96
VED	8	8	2	22	3	15	7	15	1	6	10	0	3	100
3	4	0	1	0	12	0	0	0	90	0	0	0	0	10
H ₂ L ₁	3	17	5	13	6	17	7	12	3	17	55	2	17	174
	3	2	0	7	7	13	2	0	0	15	122	3	3	17]
FF A	2	0	1	2	0	1	2	0	0	3	1	90	80	18
()	3	0	0	4	1	0	0	0	0	0	1	5	308	322
otal	75	67	36	154	84	98	35	32	95	44	212	100	420	145

		of crrect	Total	Prt	
_: ∪.W	EXCISION-MALIGNANT-LESIONS	19	26	73%	
-HH5	PRESSURE-ULCERS-DECUBITUS-ULCERS	24	30	80%	
□□H	OTHER-REPAIR-PROCEDURES	21	39	54%	
AFI A	ADJACENT-TISSUE-TRANSFER-OR-REARRANGEMENT	28	52	54%	
FIFE	EXCISION-BENIGN-LESIONS	35	60	58%	
REFIC	REPAIR-COMPLEX	39	87	45%	
FLAF	FLAPS-SKIN-AND-OR-DEEP-TISSUES	5	96	5%	
FREE	FREE-SKIN-GRAFTS	15	100	15%	
JL 5	DESTRUCTION-BENIGN-OR-PREMALIGNANT-LESIONS	90	107	84%	
_: _L(EXCISION-DEBRIDEMENT	17	174	10%	
11	INCISION-AND-DRAINAGE	122	177	69%	
$\exists \vdash \vdash \land$	REPAIR-AND-OR-RECONSTRUCTION	90	182	49%	
=: ([EXCISION	308	322	96%	
	OVERALL	813	1452	56%	Ī

Figure BJ-46

Figure BJ-46 shows that an evenly distributed training set works better for the difficult Integumentary category.

The exact same test was then run, this time on the Eye & Adnexa category. Figure BJ-47 shows the number of instances of each sub-category in the Eye & Adnexa category. Eleven of its sub-categories contained 50 or more consults. Therefore, the test was run using only those particular sub-categories.

Eye and Adnexa sub-class counts

Class	Items in Class
LENS	651
RETINAL-OR-CHOROID	535
VITREOUS	366
ANTERIOR-SCLERA	177
CORNEA	144
REMOVAL-OF-EYE	143
EXTRAOCULAR-MUSCLES	103
EYELIDS	74
ORBIT	70
REPAIR-OF-LACERATION	69
OTHER-PROCEDURES	61
ANTERIOR-CHAMBER	42
LACRIMAL-SYSTEM	29
SECONDARY-IMPLANT-PROCEDURES	23
REMOVAL-OF-FOREIGN-BODY	23
IRIS-CILIARY-BODY	9
EXCISION-AND-OR-DESTRUCTION	8
SCLERAL	7
CONJUNCTIVOPLASTY	7
INCISION-AND-DRAINAGE	1

Figure BJ-47

Actual	I				Predi	icted						
	OTHE	REPA	ORBI	EYEL	EXTR	REMO	CORN	ANTE	VITR	RETI	LENS	Tetal
OTHE	0	1	1	2	0	1	0	1	2	3	0	11
F.EPA	0	17	D	1	0	1	0	0	0	0	0	19
ORBI	1	0	9	1	0	4	0	3	1	1	C	20
ETEL	1	1	1	19	0	2	0	0	0	0	0	24
ENTR	0	0	8	0	45	0	0	0	0	0	0	53
F.EMI	0	14	18	5	1	46	0	5	1	2	0	92
CORN	7	10	3	0	0	12	55	4	0	0	3	94
ANTE	3	4	2	0	1	1	1	109	0	1	5	127
VITE	6	10	5	7	0	27	1	10	169	73	6	314
F.ETI	4	8	1	3	0	41	С	2	31	387	8	485
LENS	1	6	2	2	1	4	17	11	3	15	. 539	601
Total	23	71	50	40	48	139	74	145	207	482	561	1840
стне	OTHER-	PROCEDU	\ES		11	0%						
F.EPA	REPAIR-	OF-LACE	RATION	17	19	89%						
ORBI	ORBIT			9	20	45%						
ETEL	EYELIDS	3		19	24	79%						
ENTR	EXTRAO	CULAR-MI	JSCLES	45	53	85%						
F.EMC	REMOVAI	L-OF-EYE	2	46	92	50%						
CORN	CORNEA			55	94	59%						
ANTE	ANTERIO	OR-SCLE	RA.	109	127	86%						
VITE	VITREOU	ງສ		169	314	54%						
F.ETI	RETINAL	-OR-CHO	DROID	387	485	80%						
LENG	LENS			539	601	90%						
	OVERALI	5	l .	1395	1840	76%						

Figure BJ-48

The results in Figure BJ-48 are much better than those in the Integumentary class (Figure BJ-47). This may be greatly due to the fact that Eye & Adnexa divisions seem more clear-cut than those of the Integumentary category.

Naive Tree Method

The naive classifier can only produce successful results when a significant amount of training items are available for each category in the range of categories to be classified. The classification of specific CPTs, therefore, is quite difficult, because the range of possible CPTs is so broad that, even in a very large set of data, some CPTs may be involved in very few, if any, instances. As a result, specific CPT classification is not

a good option under the current method of classification being used.

As we've already seen, the naive classifier is quite successful in sending ICD9s and other diagnoses to the 20 main CPT categories. Also, we've seen that given an ICD9 that belongs to C (one of the 20 main CPT categories), we successfully classify the ICD9 into appropriate sub-category of C. Therefore, an effective problem might solution to the specific CPT lie developing the method by which the classifier handles its levels of classes rather than in changing the naive method of the classifier. By using a hierarchical tree method, we can utilize the naive nature of the classifier at different levels of classification in order to narrow down the number of categories seen at each level.

The structure of the naive tree classifier is modeled after the hierarchical structure of the CPT code book. Under each of the 20 main CPT categories, another two midlevels of categorization exist; and the bottom level, which consists of the actual specific CPTs, then falls under categories in one of each of the other three levels.

Denote the lowest level of the CPT hierarchy, which consists of specific CPTs, as Level 3. The level above that will be labeled Level 2, and the one above it Level 1. The top level, which consists of the 20 main CPT categories, will be referred to as Level 0. Figure BJ-49 shows this hierarchical structure of the CPT codes.

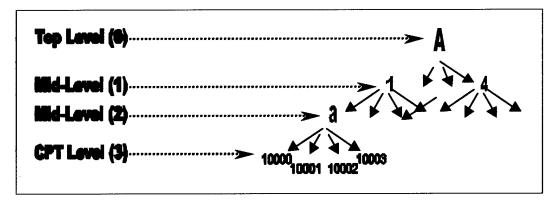


Figure BJ-49

When the naive tree classifier reads in an item, it first classifies the item at the most general level (0). Let's assume that out of the 20 main categories (Labeled A-T), the classifier first selects category 'A'. The next step in the process would be to again classify the same item, using the categories in Level 1. However, this time, the classifier will filter out all categories that aren't descendants of the Level 0 category, 'A'. The classifier will then proceed down the tree and finally select from a small group of similar CPTs.

This method takes advantage of the fact that levels higher in the tree are more general, and are easier to classify. It also allows the classifier to choose from a smaller group of categories, which, as we've seen, improves its performance.

Testing was done on the hierarchically structured Eye and Adnexa category, which is one of the 20 main CPT categories. For testing purposes, we assumed that the classifier would have chosen Eye & Adnexa to be the Level 0 category. We then tested the performance for each level of classification:

Actual		Predicted]		
	Ocular Adnexa	Eyeball	Posterior Segment	Anterior Segment	TOTAL
Ocular Adnexa	78	13	2	4	97
Eyeball	10	93	3	5	111
Posterior Segment	12	136	628	31	807
Anterior Segment	6	65	19	732	822
TOTAL	106	307	652	772	1837

Figure BJ-50

		Accuracy
Ocular Adnexa	EYE AND ADNEXA >> OCULAR ADNEXA	80%
Eyeball	EYE AND ADNEXA >> EYEBALL	84%
Posterior Segment	EYE AND ADNEXA >> POSTERIOR SEGMENT	78%
Anterior Segment	EYE AND ADNEXA >> ANTERIOR SEGMENT	89%

Figure BJ-51

These results, at Level 1 (Figures BJ-50 and BJ-51) were very successful. The next step in the complete CPT classification process is to classify the same text, using only the sub-specialties under the more general sub-specialty that was just selected. The classifier then continues to move down

Appendix 6:

Code listing for Teledental Consult Broker Prototype

X	N : :		C.C. 50860:		A. AM.			:SS 1560	Mh	5698. 5	71.5%	81.8X.C			11. SS.A/	. 920000	3/5/3			. 37/23/88		. 46.0		T-1909086	21.71.78.0	.38.3 < <				
1																														
	l.																													
	. XXX																													
		2750																												
		akijah projekt																												
ű.	3 5.	, subjective																												
		2.5																												
	i Qualita	#13.														٠.														
		9 25 40 3 24																												
		1.5 %																												
																	굕													
																2	Ĕ													
		. 8														듍	黃				÷		_	유						
		Asian II.						_			_			~		ģ	Ĕ				ğ		Ð	8						
							_	<u>.</u>	Ë		D.	습		ğ		ij	Ė				謹	ᢒ	꼹	ğ			ਰੁ	$\overline{}$		
	A	8		Sp.		_	Ç		<u>6</u>		e	Ņ	_	뼕	_	چَ	Şţ		合		붃	ē	Ť	₹	÷		Š	<u> S</u>		
		, <u>E</u>		15.	<u>8</u>	<u>[5</u>]	÷ ₹	草	펺	∂	Ϋ́	윤	0.0	Ϋ́	ਚ੍ਰੇ	Ē	<u>19</u>	Ē	잗	<u>Ģ</u>	擅	Ē	Ğ	읆	윤		ÿ	Ġ	ਉ	
		ģ		諪	355.	355,	X 7	; ;	돞	Ö	ë	퐄	Ē	줐	풀	뜷	ğ	Š	Š	- SS	ĕ	ië.	ŝ	ج	Ē		춫	Ŗ	쏠	1
	12%	_ %		ڃَ	Ÿ	퓻.	ğ	Ę	ş	ë	ğ	Ü	装	, b	냝	ã	<u>~</u>	뚩	Ě	ë	<u>.</u>	ĕ	ಿ	Š	Ť	_	SE SE	Ę	Š	
		2	~ ?	<u>.</u>	ë	Ħ.	₽₽	; 8	윤	eş-	5	Ŭ	8	ğ	첉	5	읉	호	液	ģ	Š	ভূ	Š	푳	흥	þ	ÿ	assi	یپ	
à	lœ .		⊕ <u>₹</u>	崀	ğ	5	# Š	و ر	<u>.</u>	€	Ş	6	0	ă	Ö		Ĕ	4	ĕ	ğ	ä	ĭ	喜	Ϋ́	6	ğ	្ន	ਹੁ	Ę.	
ag	₽ ₽	72	넕뺶	Sin	SS () ss	Si de	臣	굕	Š.	Ö	불	불	Ę	풀	ē	Ē	چ	355) S	7	Ī	장	Ā	Ξ	9	ä	ğ	ĮŽ.	
ē		Ē	BE	Ţ.	ş	Ġ.	ğ	F	흕	ξ	Ϋ́		-	5	Ξ	투	SţŞ	aţį	Ť	- G	ξ	ភ្ន	õ	<u>a</u>	₫	ĕ	낦	ř	짇	
4	L	_ <u>ŏ</u> _	₽₽	Ţ	patient-class (patient-class.lsp)	consult-class (consult-class.lsp)	all cdt codes (all cdt codes.cl) odt-bach-table (odt-bach-table lcn)	cdt2-hash-table (cdt2-hash-table.lsp)	icd9-hash-table (icd9-hash-table.lsp)	FILES-DIALOG (files-dialog.cl)	PATIENTS-DIALOG (patients-dialog.cl)	CONSULT-INFO-2 (consult-info-2,cl)	CONSULT-INFO (consult-info.cl)	CONSULTS-DIALOG (consults-dialog.cl)	PATIENT-INFO (patient-info.cl)	location-information (location-information.lsp)	specialists-information (specialists-information.lsp)	city-location (city-location.lsp)	location-class (location-class.lsp)	doctor-class (doctor-class.lsp)	SPECIALISTS-DIALOG (specialist-dialog.cl)	SPECIALIST-INFO (specialist-info.cl)	LOCATIONS-DIALOG (locations-dialog.cl)	YELLOW-PAGES-DIALOG (yellow-pages.cl)	LOCATION-INFO (location-info.cl)	E-BOARD (e-board.cl)	CLASSIFY-DIALOG (classify-dialog.cl)	dassifier-code (classifier-code.lisp)] test-consults (test-consults.cl)	
Ē	$\overline{\mathbf{v}}$	70	탈	<u>ä</u>	ăţį	Ö.	ŭ T	뜅	윤	111	μ̈́	Ŕ	្ត្រី	á	μ	S	ğ	益	Ö	둳	돐	E S	ĕ	핕	ğ	Ä	H	냚	test	200
💈 Project Manager	~ ● 図習 15 15 × +	General Options Build Advanced	TDENT (tdent.d) Init-file (init-file.lsp)	time-functions (time-functions.lsp)	ä	 	ب م ا	, ∪ 1⊿⊓	<u>-</u>	ň	Ö	ň	ň	ň	ñ.	\bar{a}	٦	<u>ب</u>	ā	<u>⊿</u> _1	ň	ň	$\bar{\sqcap}$	ń	ń	ñ	ň	ر کے	<u>_</u>	
· tes	+	Ğ	<u> </u>	لـــا	<u>ш</u>			لبال	<u></u>	للة	الت	الت	الـــ	الت	الت					1	ال	نا دی	ᆜ	ب	لىك	لت	به			
		veznievi)	er arrig	1, "	- 190	-430d)	#X590		0.53	Mir I	X1.7Z	700.7%)	25.7/10	7233366	2047,5136		. Eustinia	1750	197021		mailail	A NAME	C70000	8005 YY	5838382	\$40,000	T15599	BBC215 S7	menes	35.%"

List of Files

TABLE OF CONTENTS

:: Code for the dialog :tdent	132
	138
	142
	145
	151
	158
	172
	411
	412
	415
	419
	421
	423
	427
	430
	432
	435
	439
ialist-dialog	441
	442
	446
	449
;; Code for the e-board :e-board	450
;; Code for the dialog :classify-dialogue	452
	455
	460

```
SPGDOSE main "Allegro Program"
: program-name "Allegro Program"
:readable-program-name "Allegro Program"
:readable-program-name "Allegro Program"
:readable-program-name "Allegro Program"
:runtime-modules '(:cg :drag-and-drop :lisp-widget :multi-picture-button :common-status-bar :tab-control :trackbar-control :up-down-control :dre :mci :carets :hotspots :menu-selection :choose-list :directory-list :color-dialog :find-dialog :font-dialog :string-dialog :list-dialog :list-view-control :ole :clw.nig.2)
:ole-server :aclw.nig.2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (make-instance from-module :name "specialist-dialog" :finder-function 'specialists-dialog :has-pixmap-file nil :create-on-open t)
(make-instance form-module :name "specialist-dialog" :finder-function 'specialist-info :has-pixmap-file nil :create-on-open t)
(make-instance form-module :name "locations-dialog" :finder-function 'locations-dialog :has-pixmap-file nil :create-on-open t)
(make-instance form-module :name "location-info" :finder-function 'yellow-pages-dialog :has-pixmap-file nil :create-on-open t)
(make-instance form-module :name "classify-dialog" :finder-function 'location-info :has-pixmap-file nil :create-on-open t)
(make-instance form-module :name "classify-dialog" :finder-function 'classify-dialog :has-pixmap-file nil :create-on-open t)
(make-instance form-module :name "classify-dialog" :finder-function 'classify-dialog :has-pixmap-file t :create-on-open t)
(make-instance module :name "classifier-code.lisp") (make-instance 'module :name "test-consults"))
                                                                                                                                        :help-file-module (make-instance 'build-module :name "")
:splash-file-module (make-instance 'build-module :name "")
:icon-file-module (make-instance 'build-module :name "")
:include-flags ('compiler :top-level)
:build-flags ('compiler :top-level)
:old-space-size 256000
:new-space-size 6144
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               :on-initialization 'default-init-function)
                                                                            (defpackage :common-graphics-user (:export))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  :package-name "COMMON-GRAPHICS-USER"
:main-form 'tdent
(in-package :common-graphics-user)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ;; End of Project Definition
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                :compilation-unit t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         :libraries nil
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              projects nil
```

;; Code for the dialog :tdent

(in-package :common-graphics-user)

```
(defclass tdent (bitmap-window)
((tdent-files-dialog
:accessor tdent-files-dialog
:initform nil)
(tdent-patients-dialog
:accessor tdent-patients-dialog
:iniform nil)
(tdent-consults-dialog
:accessor tdent-consults-dialog
:iniform nil)
(tdent-specialists-dialog
:accessor tdent-specialists-dialog
:iniform nil)
(tdent-locations-dialog
:accessor tdent-pecialists-dialog
:iniform nil)
(tdent-yellow-pages-dialog
:accessor tdent-locations-dialog
:iniform nil)
(tdent-e-board-dialog
:accessor tdent-e-board-dialog
:inifform nil)
(tdent-c-assor tdent-e-board-dialog
:inifform nil)
:tdent-classify-dialog
:accessor tdent-classify-dialog
:initform nil)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (defun toolbar-files-on-click (dialog widget)
  (declare (ignore-if-unused dialog widget))
  (show-files-dialog (parent dialog))
  t)
                                                                                                                                                                                                                                                                                                                                                                                                                                         ;(tdent-selection-box
;:accessor tdent-selection-box
;:initform nil)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (defun menu-files-on-click (dialog)
  (declare (ignore-if-unused dialog))
  (show-files-dialog (parent dialog))
```

```
(celect-window dialog)))

(select-window dialog)))

(defun menu-patients-on-click (dialog window))

(show-patients-dialog (parent dialog))

(iet' (dialog (tdent-patients-dialog window))

(set (dialog (tdent-patients-dialog window))

(set (dialog patient): jist ml)))

(window-list mindow dialog))

(set (dialog patient): jist dialog))

(set (dialog patient): jist dialog))

(set (daro patient): jist dialog))

(set fatient: jist ml))

(window-co-screen-units window

(window-co-screen-units window

(make-position (ist-of-instances temp-patient))

(defun menu-consults-on-click (dialog window))

(set (consults-on-click (dialog))

(defun toolbar-consults-dialog (parent dialog))

(defun toolbar-consults-dialog (parent dialog))

(defun toolbar-consults-dialog (window tdent))

(set (consults-on-click (dialog window))

(set (consults-on-click (dialog window))

(set (consults-dialog (parent dialog))

(set (consults-dialog)

(
```

```
(defaur totolbar-specialists-on-click (dialog widget)

(defaur (ignore-f-unused dialog widget)

(show-specialists-dialog (parent dialog))

(defaur (ignore-f-unused dialog widget))

(defaur (ignore-f-unused dialog widget))

(defenethod dhwo-specialists-dialog (parent dialog))

(defenethod dhwo-specialists-dialog window)

(seet (dialog (make-specialists-dialog window))

(seet (dialog specialists-dialog window))

(seet (dialog (make-specialists-dialog window))

(seet (cange specialists-list)

(move-fridow window-cascreen-units window)

(cemore "dan gaspecialists-dialog window))

(defaur menu-locations-on-click (dialog))

(defaur menu-locations-on-click (dialog))

(defaur menu-locations-on-click (dialog))

(defaur menu-locations-on-click (dialog))

(defaur menu-locations-dialog (parent dialog))

(defaur menu-locations-dialog (mindow tdent))

(defaur menu-gas-order (mone-f-inoxida)

(seef (defaur location-list (mone-f-inoxida)

(seef (defaur location-list (mindow tdent))

(seef (defaur location-list (mindow))

(seef (defaur menu-gas-order (mone-f-inoxida))

(seef (defaur menu-gas-order (mone-f-inoxida))

(seef (defaur menu-gas-order (mone-f-inoxida))

(seef (mane-gas-yellow-pags-order))

(defaur menu-gas-yellow-pags-order)

(defaur (groore-f-inoxida))

(defaur (groor
```

```
(defmethod show-yellow-pages-dialog ((window tdent))
(let" ((dialog (tdent-yellow-pages-dialog window)))
(let" ((dialog (tdent-yellow-pages-dialog window)))
(sett (not dialog (make-plow-pages-dialog parent window))
(sett (ident-yellow-pages-dialog parent window))
(sett (tdent-yellow-pages-dialog window))
(move-window dialog)

(select-window dialog)
(select-window dialog)
(select-window dialog)
(select-window dialog)
(select-window)
(consults-dialog (tdent-patients-dialog window))
(select-window dialog)
(select-window)
(consults-dialog (tdent-patients-dialog window))
(classify-dialog (tdent-patients-dialog window))
(select-window patients-dialog)
(consults-dialog)
(sett (tdent-patients-dialog))
(close specialists-dialog)
(close specialist-dialog)
(close specialists-dialog)
(close specialists-dialog)
(close specialists-dialog)
(close specialist-dialog)
(close specialist-dialog)
(close (consult-info))
(close (consult-info))
(close (consult-info))
(close (consult-info))
(close (specialist-info))
```

```
(defun tdent-toolbar-chooser-display-dropping-outline-on-change (widget new-value old-value) (declare (ignore-if-unused widget new-value old-value))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ;(Setf patient-list : tdent))
; (find-widget :selection-list 'tdent))
; (Setf (range patient-list)
; (cemove 'temp-patient (list-of-instances temp-patient) :test #'equal)
                                                                                                                                                                       (dialog-field dialog :chooser-display-dropping-outline))
(defun tdent-toolbar-display-selection-button-on-click (dialog widget)
  (declare (ignore-if-unused dialog widget))
                                                                                                                                                                                                                                                                (:patients (toolbar-patients-on-click dialog widget))
(:consults (toolbar-consults-on-click dialog widget))
(:specialists (toolbar-specialists-on-click dialog widget))
(:facilities (toolbar-locations-on-click dialog widget)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (defun tdent-toolbar-new-consult-button-on-click-1 (dialog widget)
  (declare (ignore-if-unused dialog widget))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (defun tdent-toolbar-e-board-button-on-click (dialog widget) (declare (ignore-if-unused dialog widget)) (show-e-board-dialog (parent dialog))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (defmethod show-e-board-dialog ((window tdent))
  (let* ((dialog (tdent-e-board-dialog window)))
  (when (or (not dialog))
   (setq dialog (make-e-board :parent window))
        (setf (tdent-e-board-dialog) dialog)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (defun new-consult-on-select (dialog)
  (declare (ignore-if-unused dialog))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (select-window (consult-info-2))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (select-window (consult-info-2))
                                                                                                   (let ((outline-choice nil))
  (setf outline-choice
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              t); Accept the new value
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (defun close-tdent (dialog)
  (close (tdent)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (select-window dialog)
))
                                                                                                                                                                                                                                        (case outline-choice
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ç
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ç
```

(defun tdent-toolbar-classifier-button-on-click (dialog widget)
 (declare (ignore-if-unused dialog widget))
 (setq current-position 0)
 (setq test-consults NIL)
 (select-window (classify-dialog))
 t)

;;; code for init.lsp

(in-package :common-graphics-user)

```
(setf *class-list* '(patient consult-request doctor specialist referring location USA-forces EUCOM USAREUR ERDC ERMC SthCORPS))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (defun list-to-string (the-list)
  (if (listp the-list)
        (if (nul) (car the-list)) ""
        (if (nul) (car the-list)) (princ-to-string (car the-list))
        (concatenate 'string (princ-to-string (car the-list)) " " (list-to-string (cdr the-list)))))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (defun my-instancep (item)
  (let ((exploded-item (explode item)))
   (if (equal (car exploded-item) '/#)
        (let" ((to strint '\#" (cdr exploded-item)))
        (class-item (string-to-symbol (string (implode (subseq exploded-item 2 (- x 1))))))
        (if (member class-item *class-list*) T nil))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (coerce char 'character))
char-list)
'string))))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (defun round-float (num decimal-places)
    (setq tempnum (round (* num (expt 10 decimal-places))))
    (float (/ tempnum (expt 10 decimal-places)))
                                                                     (defun string-to-symbol (the-string)
  (if (equal "" (string-trim '(#\Space) the-string)) nil
  (with-input-from-string (s the-string) (read s))))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                (defun implode (char-list)
  (values (intern (coerce (mapcar #'(lambda (char)
                                                                                                                                                                              (funcall printer object out-strm)))
                                                                                                                                                                                                                                                                                  (if (not (equal the-string ""))
  (position '\ (explode the-string))))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (defun find-the-first-blank (the-string)
                                                                                                                                                                                                                                                                                                                                                                                                                'list))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ^
```

```
(defun ist-to-string (the-list)

(defun string-to-string (the-list)

(defun string-to-list (the-string)

) | (defun string-to-list (the-string))

(defun string-to-list (the-string))

(defun string-to-clean-list (the-string))

(defun string-to-clean-list)

(defun string-to-c
```

?...

```
(defun BBBELE-SORTEX (for i))

(do (((for i) (for i)))

(do (((for i) (for i)))

(defun BBBELE-SORTEX (the i) it is in it is it is in it is is it i
```

```
(defun generate-blank-string (string-length)
  (if (= string-length 0) ni)
    (if (= string-length 0) ni)
    (concatenate 'string " (generate-blank-string (- string-length 1)))))
  (defun eliminate-character (the-character the-string))
    (cond (char-pos (search the-character the-string)))
    (concatenate 'string (concatenate 'string (concatenate 'string (concatenate 'string (character the-character (subseq the-string (+ 1 char-pos)))))
    (subseq the-string ( character the-character (subseq the-string (+ 1 char-pos)))))
    (the-string))))
  (defun eliminate-several-characters (character-list the-string)
    ((si (+ (- (length character-list) 1)) the-string))
    ((si (- (length character-list) 1)) the-string))))
    (setf the-string (eliminate-character (nth i character-list) the-string)))))
```

;;; time-functions.lsp

(in-package :common-graphics-user)

(concatenate 'string dd "/" mm "/" (princ-to-string (nth 3 time-list)))))

(string-to-symbo

(defun time-from-universal-time (universal-time)

(defun date-from-universal-time (universal-time)

```
(if (= universal-time (on on on on on one of one on one of one of
```

;;; patient-class.lsp

(in-package :common-graphics-user)

```
((printname :initarg :printname :initform :initarg :hone-number :initiform :initform :initform :initform :initarg :hone-number :initiform :initarg :hone-number :initiform :initarg :hone-number :initiform :initarg :hone-number :initiform :initarg :hone-number :hone-num
```

(make-a-class-instance 'patient 'temp-patient)

```
(defmethod send-patient-info-to-file ((patient-instance patient))
  (let ((filename (concatenate 'string "E:\\Working Files\\Army\\GGTS Development\\Tdent\\" (princ-to-string (get-universal-time))))
  (ssn (ssn patient-instance))
  (lastname (patient-instance))
  (firstname (firstname patient-instance))
  (mi (mi patient-instance))
```

```
(dob (dob patient-instance))
  (sex (sex patient-instance))
  (sex (sex patient-instance))
  (sex (sex patient-instance))
  (military-rank patient-instance))
  (military-rank (military-rank patient-instance))
  (phone-number (phone-number patient-instance))
  (phone-phone-number (phone-phone-number patient-instance))
  (chief-complaints (chief-complaints patient-instance))
  (chief-complaints (chief-complaints patient-instance))
  (chief-ring-laignosis (provisional-diagnosis patient-instance))
  (referring-military-rank (referring-lastname patient-instance))
  (referring-firstname (referring-lastname patient-instance))
  (referring-location (referring-lastname patient-instance))
  (referring-stranme (referring-lastname patient-instance))
  (referring-stranme (referring-lastname patient-instance))
  (referring-firstname (referring-lastname patient-instance))
  (referring-codes) (referring-lastname patient-instance))
  (referring-firstname (referring-lastname))
  (specialty (specialty (sexplanation-of-specialty patient-instance))
  (specialty (specialty (explanation-of-specialty patient-instance))
  (explanation-of-specialty (recommended-consultants)
  (recommended-consultants (recommended-consultants)
  (recommended-consultants)
  (recommended-consultants)
  (recommended-consultants)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (diagnosis (diagnosis patient-instance))
(suggested-treatment (suggested-treatment patient-instance))
(specialist-rank (specialist-rank patient-instance))
(specialist-lastname (specialist-lastname patient-instance))
(specialist-firstname (specialist-firstname patient-instance))
(specialist-location (specialist-location patient-instance))
(date-of-visit-by-specialist (date-of-visit-by-specialist patient-instance))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (temp-stream (make-string-output-stream)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 :direction :output
:if-exists :overwrite
:if-does-not-exist :create)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   explanation-of-specialty explanation-of-diagnostic-codes explanation-of-procedure-codes ;;; 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        referring-lastname :::15
referring-firstname
referring-location
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           provisional-diagnosis
referring-military-rank
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  recommended-consultants
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         chief-complaints ;;; 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (with-open-file
(temp-stream filename
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  home-phone-number
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    specialty ;;; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           diagnostic-codes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     sex ;;; 5
military-status
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   date-of-request
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 procedure-codes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      military-rank
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     exam-findings
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        phone-number
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             o ::: 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   lastname
firstname
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               history
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               qop
```

```
(gethash (string-to-symbol x) cdt-hash-table)))
                                                                                                                                                                                                   ;;; "patid" "patage" "patsex" "patrate" "patrank" "speclocation" "reflocation/ Patient's Location"
;;; 0 1 2 2
;;; "docrank" "conid" "refdorid" "-----1"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (sex (nth 2 info-list))

(sex (nth 2 info-list))

(military-status (nth 3 info-list))

(military-status (nth 4 info-list))

(referring-location (nth 6 info-list))

(referring-location (nth 6 info-list))

(chief-complaints (nth 11 info-list))

(knistory (nth 12 info-list))

(provisional-diagnosis (nth 13 info-list))

(provisional-diagnosis (nth 13 info-list))

(diagnosis (nth 15 info-list))

(suggested-treatment (nth 18 info-list))

(diagnosis (nth 12 info-list))

(diagnosis (nth 12 info-list))

(diagnosis (nth 2) info-list))

(specialty (nth 29 info-list))

(specialty (nth 29 info-list))

(explanation-of-diagnostic-codes

(list-to-string (mapcar #'(lambda (x) (concatenate 'string))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (gethash x icd9-hash-table)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Ln" id))
(mi (string (mi-number-to-letter (string-to-symbol (subseq id 0 1)))))
(patient-name-string (concatenate 'string
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; (recommended-consultants (nth 25 info-list))
; (explanation-of-recommended-consultants (nth 26 info-list))
(specialist-id (nth 10 info-list))
; (specialist-lastname (nth 30 info-list))
; (specialist-firstname (nth 31 info-list))
(specialist-firstname (nth 31 info-list))
(specialist-lostname (nth 5 info-list))
(date-of-visit-by-specialist (nth 16 info-list))
(firstname (constenate 'string)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (explanation-of-procedure-codes
  (list-to-string (mapcar #'(lambda (X) (concatenate 'string
                                                                                                                                                                                      date-of-visit-by-specialist) temp-stream))))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               diagnostic-codes)))
explanation-of-recommended-consultants
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 procedure-codes)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   firstname
                                                                                                                                                                                                                                                                                                    Clastname (concatenate 'string
                                                                    specialist-rank ;;; 30
specialist-lastname
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "fn" id))
                                                                                                                                 specialist-firstname
                                                    suggested-treatment
                                                                                                                                                             specialist-location
```

```
(setf (explanation-of-recommended-consultants (eval (string-to-symbol patient-name-string))) explanation-of-recommended-consultants)

(setf (sugarosis (eval (string-to-symbol patient-name-string))) diagnosis)

(setf (sugarosiste-ireatment (eval (string-to-symbol patient-name-string))) specialist-ind

(setf (specialist-id (eval (string-to-symbol patient-name-string))) specialist-rank)

(setf (specialist-fastname (eval (string-to-symbol patient-name-string))) specialist-firstname)

(setf (specialist-firstname (eval (string-to-symbol patient-name-string))) specialist-lastname)

(setf (specialist-location (eval (string-to-symbol patient-name-string))) specialist-lastname)

(setf (age-of-visi-by-specialist (eval (string-to-symbol patient-name-string))) date-of-visit-by-specialist)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | (setf (thief-complaints (eval (string-to-symbol patient-name-string)) chief-complaints (eval (string-to-symbol patient-name-string)) chief-complaints (eval (string-to-symbol patient-name-string)) chief-complaints (eval (string-to-symbol patient-name-string)) chief-complaints (eval (string-to-symbol patient-name-string)) is toy) (setf (chief-complaints (eval (string-to-symbol patient-name-string))) referring-distring-distring-to-symbol patient-name-string)) referring-military-rank (eval (string-to-symbol patient-name-string))) referring-military-rank (eval (string-to-symbol patient-name-string))) referring-lastname (eval (string-to-symbol patient-name-string))) referring-lastname (eval (string-to-symbol patient-name-string))) referring-location (eval (string-to-symbol patient-name-string))) referring-location (eval (string-to-symbol patient-name-string))) atte-of-request (eval (string-to-symbol patient-name-string))) atte-of-request (eval (string-to-symbol patient-name-string))) secialty (eval (string-to-symbol patient-name-string))) explanation-of-specialty (eval (string-to-symbol patient-name-string))) explanation-of-diagnostic-codes (eval (string-to-symbol patient-name-string))) secialty (eval (string-to-symbol patient-name-string))) secialty (eval (string-to-symbol patient-name-string))) explanation-of-diagnostic-codes (eval (string-to-symbol patient-name-string))) secialty (eval (string-to-symbol pati
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (setf (provisional-diagnosis (eval (string-to-symbol patient-name-string))) provisional-diagnosis)
(setf (referring-military-rank (eval (string-to-symbol patient-name-string))) referring-military-rank)
(setf (referring-lastname (eval (string-to-symbol patient-name-string))) referring-lastname)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    :(setf (home-phone-number (eval (string-to-symbol patient-name-string))) phone-number)
(setf (chief-complaints (eval (string-to-symbol patient-name-string))) home-phone-number)
(setf (exam-findings (eval (string-to-symbol patient-name-string))) chief-complaints)
(setf (history (eval (string-to-symbol patient-name-string))) exam-findings)
(setf (history (eval (string-to-symbol patient-name-string)) hietname-findings)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (string-to-symbol patient-name-string))) military-status)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (string-to-symbol patient-name-string))) military-status)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (setf (printname (eval (string-to-symbol patient-name-string))) patient-name-string))
                                                                                                                                                                                                    (setf (firstname (eval (string-to-symbol patient-name-string)) firstname)

(setf (mi (eval (string-to-symbol patient-name-string))) firstname)

(setf (mi (eval (string-to-symbol patient-name-string))) mi)

(setf (age (eval (string-to-symbol patient-name-string))) age)

(setf (dob (eval (string-to-symbol patient-name-string))) age)

(setf (military-status (eval (string-to-symbol patient-name-string))) military-status

(setf (military-rank (eval (string-to-symbol patient-name-string))) military-rank

(setf (military-rank (eval (string-to-symbol patient-name-string))) military-rank)

(setf (phone-number (eval (string-to-symbol patient-name-string))) phone-number)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (setf (sex (eval (string-to-symbol patient-name-string))) sex)
(setf (military-status (eval (string-to-symbol patient-name-string))) military-sta
(setf (military-rank (eval (string-to-symbol patient-name-string))) military-rank)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (setf (ssn (eval (string-to-symbol patient-name-string))) ssn)
(setf (lastname (eval (string-to-symbol patient-name-string))) lastname)
(setf (irstname (eval (string-to-symbol patient-name-string))) lastname)
(setf (mi (eval (string-to-symbol patient-name-string))) mi)
(setf (de (eval (string-to-symbol patient-name-string))) id)
(setf (dob (eval (string-to-symbol patient-name-string))) id)
(setf (dob (eval (string-to-symbol patient-name-string))) dob)
(setf (sex (eval (string-to-symbol patient-name-string))) sex)
                                                                                                                                   (lastname (eval (string-to-symbol patient-name-string))) lastname)
(firstname (eval (string-to-symbol patient-name-string))) firstname)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (make-a-class-instance 'patient (string-to-symbol patient-name-string))
                                                                 (setf (ssn (eval (string-to-symbol patient-name-string)))
(cond ((my-instancep (string-to-symbol patient-name-string))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    *
```

```
(setf (referring-id (eval (string-to-symbol patient-name-string)) referring-firstname (eval (string-to-symbol patient-name-string)) referring-firstname (eval (string-to-symbol patient-name-string)) referring-location)

(setf (referring-location (eval (string-to-symbol patient-name-string)) referring-location)

(setf (date-of-request (eval (string-to-symbol patient-name-string)) referring-location)

(setf (set (string-to-symbol patient-name-string)) respecially)

(setf (set (set (string-to-symbol patient-name-string))) recedure-codes)

(setf (set (set (string-to-symbol patient-name-string))) recedure-codes)

(setf (string-to-symbol patient-name-string))) recedure-codes)

(setf (string-to-symbol patient-name-string))) explanation-of-specially)

(setf (string-to-symbol patient-name-string))) explanation-of-procedure-codes (eval (string-to-symbol patient-name-string))) recommended-consultants

(setf (string-to-symbol patient-name-string))) recommended-consultants

(setf (submantion-of-ecommended-consultants (eval (string-to-symbol patient-name-string))) septiants)

(setf (submantion-of-ecommended-consultants (eval (string-to-symbol patient-name-string))) secialist-firstname

(setf (submantion-of-ecommended-consultants (eval (string-to-symbol patient-name-string))) secialist-firstname

(setf (specialist-raf (eval (string-to-symbol patient-name-string))) specialist-firstname

(setf (specialist-deval (string-to-symbol patient-name-string))) specialist-firstname

(setf (specialist-firstname (eval (string-to-symbol patient-name-string))) specialist-lastname

(setf (specialist-lastname (eval (string-to-symbol patient-name-string))) specialist-lastname

(setf (specialist-lastname)

(setf (specialist-lastname)

(setf (specialist-lastname)

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (setf (printname (eval (string-to-symbol patient-name-string))) patient-name-string))
)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (defmethod age-calculation ((patient-instance patient))
  (let* ((dob (dob patient-instance))
        (dob-universal-time (universal-time-from-date dob))
        (request-date (request-date patient-instance))
        (request-date-universal-time (universal-time-from-date request-date)))
        (- (year-from-universal-time request-date-universal-time)))
        (year-from-universal-time request-date-universal-time))))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (defun mi-number-to-letter (xx)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (ase xx (a. 1) (b. 1) (b. 1) (b. 1) (c. 1) (
```

;;;consult-class.lsp

```
:accessor referring-military-rank)
:accessor referring-military-rank)
:accessor ""
:accessor ""
:initform ""
:accessor referring-firstname
:accessor referring-firstname)
(referring-lastname :initarg :referring-lastname)
:initarg :referring-lastname
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (referring-military-rank :initarg :referring-military-rank :initform ""
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 :accessor exam-findings)
(provisional-diagnosis :Initarg :provisional-diagnosis
:initform ""
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     :accessor referring-location)
(date-of-request :initarg :date-of-request
:initform ""
                                                                                                              ;;; chief complaints and findings
(chief-complaints :initarg :chief-complaints
:initform ""
:accessor chief-complaints)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            :accessor referring-lastname)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         :accessor date-of-request)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     :accessor provisional-diagnosis)
                        (history :initarg :history :initform "" :accessor history) (exam-findings :initarg :exam-findings :initform ""
                                                                                                                                                                                                                                                                       :accessor patient-name)
(urgency :initarg :urgency
:initform ""
(in-package :common-graphics-user)
                                                                                                                                                                                                                                                                                                                                                                      :accessor modality)
                                                                                                                                                                                                                                                                                                                        :accessor urgency)
(modality :initarg :modality
:initform '()
```

;;; images

```
(specialty :initarg :specialty
:accessor diagnostic-codes ::; ICD-9, CDTs
:accessor diagnostic-codes ::; ICD-9, CDTs
:initform '()
:accessor procedure-codes)
(procedure-codes :initarg :procedure-codes)
:accessor procedure-codes)
(explanation-of-specialty :initform '()
:accessor explanation-of-specialty)
:accessor explanation-of-specialty)
:accessor explanation-of-diagnostic-codes :initform '()
:accessor explanation-of-diagnostic-codes :initform '()
:accessor explanation-of-diagnostic-codes :initerg :explanation-of-diagnostic-codes :initerg :explanation-of-diagnostic-codes :initerg :explanation-of-diagnostic-codes :initerg :explanation-of-procedure-codes :initerg :explanation-of-proced
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            :accessor specialist-location)
(date-of-visit-by-specialist :initarg :date-of-visit-by-specialist
:initform ""
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            :accessor date-of-visit-by-specialist)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     :accessor specialist-firstname)
(specialist-lastname :initarg :specialist-lastname
:initform ""
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        :accessor specialist-lastname)
(specialist-location :initarg :specialist-location
:initform ""
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             :accessor suggested-treatment)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (specialist-firstname :initarg :specialist-firstname :initarg :specialist-firstname :initform ""
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                :accessor diagnosis)
(suggested-treatment :initarg :suggested-treatment
:initform ""
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ;;; Module 2 fills in the next three slots
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (diagnosis :initarg :diagnosis
:initform ""
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ;;; consultation report
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ;;; specialist information
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ;;; Module 3
```

 $\stackrel{\sim}{\sim}$

```
(defun create-consult-raquest 'temp-consult)

"patid" 'patigd" 'patesd" 'patrate" 'patrate" 'patrank" 'speciocation" 'reflocation/ Patient's Location"

"patid" 'patigd" 'patesd" 'patrate" 'patrank" 'speciocation" 'reflocation/ Patient's Location"

"in 'an 'an 'an 'ardocid" 'specid"

"in 'an 'ardocid" 'specid"

"in 'an 'ardocid" 'specid"

"in 'an 'ardocid" 'specid"

"in 'an 'ardocid" 'and 'ardocid' 'specid'

"in 'an 'ardocid" 'specid'

"in 'an 'ardocid" 'specid'

"in 'an 'ardocid" 'specid'

"in 'an 'ardocid' 'and 'ardocid' 'specid'

"in 'ardocid' 'an 'ardocid' 'and 'ardocid' 'and 'ardocid' 'ardocid'

(defun create-consult-instance (info-list)

(defun (patrant') (oth O info-list)

(defun (patrant') (oth O info-list)

(defun (an 'ardocid' 'ardocid'
```

lastname)))

```
(setf (kistory (eval (string-to-symbol consult-id-string))) examinings)
(setf (history (eval (string-to-symbol consult-id-string))) history)
(setf (kistory (eval (string-to-symbol consult-id-string))) history)
(setf (provisional-diagnosis (eval (string-to-symbol consult-id-string))) referring—military-rank
(setf (provisional-diagnosis (eval (string-to-symbol consult-id-string))) referring—military-rank)
(setf (referring-lastname (eval (string-to-symbol consult-id-string))) referring—military-rank)
(setf (referring-lastname (eval (string-to-symbol consult-id-string))) referring—location
(setf (referring-location (eval (string-to-symbol consult-id-string))) referring—location
(setf (referring-location (eval (string-to-symbol consult-id-string))) specially
(setf (date-of-request (eval (string-to-symbol consult-id-string))) procedure-codes
(setf (date-of-request (eval (string-to-symbol consult-id-string))) procedure-codes
(setf (date-of-request (eval (string-to-symbol consult-id-string))) specially
(setf (explanation-of-specially (eval (string-to-symbol consult-id-string))) explanation-of-specially
(setf (explanation-of-specially (eval (string-to-symbol consult-id-string))) sexplanation-of-procedure-codes
(eval (string-to-symbol consult-id-string))) sexplanation-of-procedure-codes
(eval (string-to-symbol consult-id-string))) suggested-treatment
(setf (explanation-of-procedure-codes (eval (string-to-symbol consult-id-string))) suggested-treatment
(setf (explanation-of-recommended-consultants (eval (string-to-symbol consult-id-string)))
(setf (explanation-of-recommended-consultants (eval (string-to-symbol consult-id-string)))
(setf (suggested-treatment (eval (string-to-symbol consult-id-string)))
(setf (suggested-treatment)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (setf (specialist-rank (eval (string-to-symbol consult-id-string))) specialist-rank)
(setf (specialist-lastname (eval (string-to-symbol consult-id-string))) specialist-firstname)
(setf (specialist-listname (eval (string-to-symbol consult-id-string))) specialist-lastname)
(setf (specialist-location (eval (string-to-symbol consult-id-string))) specialist-location)
(setf (date-of-visit-by-specialist (eval (string-to-symbol consult-id-string))) date-of-visit-by-specialist)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (append (list consult-id-string) (consults (eval (string-to-symbol patient-name-string)))
(cond ((member (string-to-symbol consult-id-string) (list-of-instances temp-consult) :test #'equal)
  (cond ((member (string-to-symbol patient-name-string) (list-of-instances temp-patient) :test #'equal)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (setf (military-rank (eval (string-to-symbol patient-name-string))) military-rank)
;(setf (phone-number (eval (string-to-symbol patient-name-string))) phone-number)
;(setf (home-phone-number (eval (string-to-symbol patient-name-string))) home-phone-number)
                                                                                                                                                                                                     `(setf (consult-number ,(string-to-symbol consult-id-string)) ,consult-id))
`(setf (patient-id ,(string-to-symbol consult-id-string)) ,patient-id))
`(setf (patient-name ,(string-to-symbol consult-id-string)) ,patient-name-string))
(lastname (eval (string-to-symbol patient-name-string))) lastname)
(firstname (eval (string-to-symbol patient-name-string))) firstname)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (t)
(proceeding the concatenate string "creating a patient: "patient-name-string))
(make-a-class-instance 'patient (string-to-symbol patient-name-string))
(eval '(setf (consult-number (string-to-symbol patient-id-string)) , consult-id))
(eval '(setf (patient-name (string-to-symbol consult-id-string)) , patient-id))
(eval '(setf (patient-name (string-to-symbol consult-id-string)) , patient-id))
(setf (ssn (eval (string-to-symbol patient-name-string))) ssn)
(setf (lastname (eval (string-to-symbol patient-name-string))) lastname)
(setf (firstname (eval (string-to-symbol patient-name-string))) mi)
(setf (im (eval (string-to-symbol patient-name-string))) mi)
(setf (id (eval (string-to-symbol patient-name-string))) patient-id)
(setf (id (eval (string-to-symbol patient-name-string))) age)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (mi (eval (string-to-symbol patient-name-string))) mi)
(id (eval (string-to-symbol patient-name-string))) patient-id)
(id (eval (string-to-symbol patient-name-string)) age)
(dob (eval (string-to-symbol patient-name-string)) dob)
(sex (eval (string-to-symbol patient-name-string)) sex)
(mi) itary-status (eval (string-to-symbol patient-name-string)) military-status)
(mi) itary-rank (eval (string-to-symbol patient-name-string))) military-rank)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (setf (chief-complaints (eval (string-to-symbol consult-id-string))) chief-complaints) (setf (exam-findings (eval (string-to-symbol consult-id-string))) exam-findings)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (setf (military-status (eval (string-to-symbol patient-name-string))) military-status)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (setf (date-of-visit-by-specialist (eval (suring-ve jume-string)))
(setf (consults (eval (string-to-symbol patient-name-string)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (setf (age (eval (string-to-symbol patient-name-string))) age)
(setf (dob (eval (string-to-symbol patient-name-string))) dob)
(setf (sex (eval (string-to-symbol patient-name-string))) sex)
                                                                                                                                                                                                                                                                                                                                                                                                                         (setf
(setf
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (setf
(setf
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (setf
(setf
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (setf
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (setf
                                                                                                                                                                                                                                                                                                 (eva)
                                                                                                                                                                                                                                                                                                                                                                (eva]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ;;; consult info
```

```
| Setf (chief-complaints (eval (string-to-symbol consult-id-string))) chief-complaints) |
| (setf (chief-complaints (eval (string-to-symbol consult-id-string)) | provisional diagnosis) |
| (setf (provisional diagnosis (eval (string-to-symbol consult-id-string)) | provisional diagnosis |
| (setf (provisional diagnosis (eval (string-to-symbol consult-id-string)) | provisional diagnosis |
| (setf (referring-diagnosis (eval (string-to-symbol consult-id-string)) | referring-id |
| (setf (referring-diagnosis (eval (string-to-symbol consult-id-string)) | referring-id |
| (setf (referring-diagnosis (eval (string-to-symbol consult-id-string)) | referring-id |
| (setf (referring-diagnosis (eval (string-to-symbol consult-id-string)) | referring-id |
| (setf (referring-diagnosis (eval (string-to-symbol consult-id-string)) | referring-id |
| (setf (specialty (eval (string-to-symbol consult-id-string)) | referring-id |
| (setf (specialty (eval (string-to-symbol consult-id-string)) | referring-id |
| (setf (specialty (eval (string-to-symbol consult-id-string)) | referring-id |
| (setf (specialty (eval (string-to-symbol consult-id-string)) | recommended-consultants) |
| (setf (specialty (eval (string-to-symbol consult-id-string)) | recommended-consultants) |
| (setf (specialty (eval (string-to-symbol consult-id-string)) | recommended-consultants) |
| (setf (specialty (eval (string-to-symbol consult-id-string)) | recommended-consultants) |
| (setf (specialist-id (eval (string-to-symbol consult-id-string)) | recommended-consultants) |
| (setf (specialist-id (eval (string-to-symbol consult-id-string)) | specialist-id-string) |
| (setf (specialist-id (eval (string-to-symbol consult-id-string)) | specialist-id-string) |
| (setf (specialist-id-deval (string-to-symbol consult-id-string)) | specialist-id-string) |
| (setf (specialist-id-deval (string-to-symbol consult-id-string)) | specialist-id-string |
| (setf (specialist-id-string (eval (string-to-symbol consult-id-string)) | specialist-id-string |
| (setf (specialist-id-string-dev
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (setf (exam-findings (eval (string-to-symbol consult-id-string))) istory)
(setf (history (eval (string-to-symbol consult-id-string))) istory)
(setf (provisional-diagnosis (eval (string-to-symbol consult-id-string))) provisional-diagnosis)
(setf (preferring-mailitary-rank (eval (string-to-symbol consult-id-string))) referring-mailitary-rank)
(setf (referring-mailitary-rank (eval (string-to-symbol consult-id-string))) referring-mastname)
(setf (referring-id (eval (string-to-symbol consult-id-string))) referring-firstname)
(setf (referring-location (eval (string-to-symbol consult-id-string))) referring-firstname)
(setf (date-of-request (eval (string-to-symbol consult-id-string))) date-of-request)
(setf (date-of-request (eval (string-to-symbol consult-id-string))) date-of-request)
(setf (images (eval (string-to-symbol consult-id-string))) images)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (remove-duplicates
(remove-duplicates
(append (list consult-id-string) (consults (eval (string-to-symbol patient-name-string))))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        .
(print (concatenate 'string "creating a consult: " consult-id-string))
(make-a-class-instance 'consult-request (string-to-symbol consult-id-string))
(cond ((member (string-to-symbol patient-name-string) (list-of-instances temp-patient) :test #'equal)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (setf (age (eval (string-to-symbol patient-name-string)) age)
(setf (dob (eval (string-to-symbol patient-name-string))) abo)
(setf (dob (eval (string-to-symbol patient-name-string))) sex)
(setf (military-status (eval (string-to-symbol patient-name-string))) military-status)
(setf (military-rank (eval (string-to-symbol patient-name-string))) military-rank)
(setf (phone-number (eval (string-to-symbol patient-name-string))) phone-number)
(setf (home-phone-number (eval (string-to-symbol patient-name-string)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             `(setf (consult-number , (string-to-symbol consult-id-string)) ,consult-id))
`(setf (patient-id , (string-to-symbol consult-id-string)) ,patient-id))
`(setf (patient-name , (string-to-symbol consult-id-string)) ,patient-name-string))
(lastname (eval (string-to-symbol patient-name-string))) lastname)
(firstname (eval (string-to-symbol patient-name-string))) firstname)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (setf (chief-complaints (eval (string-to-symbol consult-id-string))) chief-complaints)
(setf (military-rank (eval (string-to-symbol patient-name-string))) military-rank)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (specialty (eval (string-to-symbol consult-id-string))) specialty)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (mi (eval (string-to-symbol patient-name-string))) mi)
(id (eval (string-to-symbol patient-name-string))) patient-id)
(age (eval (string-to-symbol patient-name-string))) age)
(dob (eval (string-to-symbol patient-name-string))) dob)
(sex (eval (string-to-symbol patient-name-string))) sex)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (setf (consults (eval (string-to-symbol patient-name-string)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        test #'equal)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (setf
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        eval
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (eva]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (setf
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (eva)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (progn
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           \hat{\tilde{c}}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ;;; consult info
                                                                  ;;; consult info
```

```
(setf (dragnostic-codes (eval (string-to-symbol consult-id-string))) dragnostic-codes)
(setf (procedure-codes (eval (string-to-symbol consult-id-string)) procedure-codes)
(setf (explanation-of-specialty) (eval (string-to-symbol consult-id-string)) explanation-of-dragnostic-codes (eval (string-to-symbol consult-id-string)) explanation-of-dragnostic-codes (eval (string-to-symbol consult-id-string)) explanation-of-procedure-codes (eval (string-to-symbol consult-id-string)) explanation-of-procedure-codes (eval (string-to-symbol consult-id-string)) recommended-consultants)
(setf (explanation-of-procemended-consultants (eval (string-to-symbol consult-id-string))) suggested-treatment (eval (string-to-symbol consult-id-string))) suggested-treatment (eval (string-to-symbol consult-id-string))) specialist-id (eval (string-to-symbol consult-id-string))) specialist-id (specialist-rank (eval (string-to-symbol consult-id-string))) specialist-frank
(setf (specialist-franme (eval (string-to-symbol consult-id-string))) specialist-frank
(setf (specialist-location (eval (string-to-symbol consult-id-string))) specialist-location)
(setf (date-of-visit-by-specialist (eval (string-to-symbol consult-id-string))) specialist-location)
(setf (date-of-visit-by-specialist (eval (string-to-symbol consult-id-string))) specialist-location)
(setf (consults (eval (string-to-symbol consult-id-string))) specialist-location)
(setf (consults (eval (string-to-symbol consult-id-string))) specialist-location)
(setf (consults (eval (string-to-symbol consult-id-string))) specialist-location)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (setf (explanation-of-recommended-consultants (eval (string-to-symbol consult-id-string))) explanation-of-recommended-consultants) (setf (diagnosis (eval (string-to-symbol consult-id-string))) suggested-treatment (eval (string-to-symbol consult-id-string)) suggested-treatment) (setf (suggested-treatment) (setf (specialist-id (eval (string-to-symbol consult-id-string))) specialist-id (specialist-iark (eval (string-to-symbol consult-id-string))) specialist-rank (setf (specialist-lastname (eval (string-to-symbol consult-id-string))) specialist-lastname) (setf (specialist-lastname (eval (string-to-symbol consult-id-string))) specialist-lastname) (setf (specialist-location) (specialist-location) (setf (att-of-visit-by-specialist (eval (string-to-symbol consult-id-string))) specialist-location) (setf (att-of-visit-by-specialist (eval (string-to-symbol consult-id-string))) specialist-location) (setf (att-of-visit-by-specialist))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (setf (exam-findings (eval (string-to-symbol consult-id-string))) history)
(setf (history (eval (string-to-symbol consult-id-string))) history)
(setf (history (eval (string-to-symbol consult-id-string))) provisional-diagnosis)
(setf (provisional-diagnosis (eval (string-to-symbol consult-id-string))) referring-military-rank
(setf (referring-military-rank (eval (string-to-symbol consult-id-string))) referring-military-rank)
(setf (referring-lic (eval (string-to-symbol consult-id-string))) referring-listing
(setf (referring-location (eval (string-to-symbol consult-id-string))) referring-location)
(setf (referring-location (eval (string-to-symbol consult-id-string))) referring-location)
(setf (referring-location (eval (string-to-symbol consult-id-string))) date-of-request)
(setf (date-of-request (eval (string-to-symbol consult-id-string))) date-of-request)
(setf (specialty (eval (string-to-symbol consult-id-string))) dagnostic-codes
(setf (specialty (eval (string-to-symbol consult-id-string))) procedure-codes)
(setf (specialty (eval (string-to-symbol consult-id-string))) procedure-codes)
(setf (explanation-of-specialty (eval (string-to-symbol consult-id-string))) seplanation-of-diagnostic-codes (eval (string-to-symbol consult-id-string))) seplanation-of-diagnostic-codes (eval (string-to-symbol consult-id-string))) seplanation-of-diagnostic-codes (eval (string-to-symbol consult-id-string))) seplanation-of-procedure-codes)
(setf (explanation-of-procedure-codes (eval (string-to-symbol consult-id-string))) seplanation-of-procedure-codes)
(setf (explanation-of-procedure-codes (eval (string-to-symbol consult-id-string))) seplanation-of-procedure-codes)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             setf (recommended-consultants (eval (string-to-symbol consult-id-string))) recommended-consultants)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (append (list consult-id-string) (consults (eval (string-to-symbol patient-name-string))))
:test # equal)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (print (concatenate 'string "creating a patient: " patient-name-string))

(make-a-class-instance 'patient (string-to-symbol patient-name-string))

(eval 'setf (consult-number 'string-to-symbol consult-id-string), consult-id)

(eval 'setf (patient-id '(string-to-symbol consult-id-string)), patient-id))

(eval 'setf (patient-name '(string-to-symbol consult-id-string)), patient-name-string));

(setf (ssn (eval (string-to-symbol patient-name-string))) lastname)

(setf (fistname (eval (string-to-symbol patient-name-string))) firstname)

(setf (firstname (eval (string-to-symbol patient-name-string))) mi)

(setf (mi (eval (string-to-symbol patient-name-string))) mi)

(setf (id (eval (string-to-symbol patient-name-string))) mi)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (setf (age (eval (string-to-symbol patient-name-string))) age)
(setf (ade (eval (string-to-symbol patient-name-string))) ado)
(setf (ade (eval (string-to-symbol patient-name-string))) sxy)
(setf (sex (eval (string-to-symbol patient-name-string))) sxy)
(setf (military-status (eval (string-to-symbol patient-name-string))) military-status)
(setf (military-rank (eval (string-to-symbol patient-name-string))) military-rank)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (setf (chief-complaints (eval (string-to-symbol consult-id-string))) chief-complaints)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (remove-duplicates
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (remove-duplicates
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ;;; consult info
```

```
(append (list consult-id-string) (consults (eval (string-to-symbol patient-name-string))))
:test #'equal)
)
```

((((((

;;;cdt-hash-table.lsp

(in-package :common-graphics-user)

```
"accession of tissue, gross and microscopic examination, including assessment of surgical margins for presence of disease, preparation and transmission of written report.") (GETHASH 'D0480 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "accession of tissue, gross examination, preparation and transmission of written report.")
(SETF (GETHASH 'D0473. CDT-HASH-TABLE)
"accession of tissue, gross and microscopic examination, preparation and transmission of written report.")
(SETF (GETHASH 'D0474 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Re-evaluation-limited, problem focused (Established patient; not post- operative visit) .") (SETF (GETHASH 'D0210 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "processing and interpretation of cytologic smears, including the preparation and.") (GETHASH '00501 CDT-HASH-TABLE) "histopathologic examinations.") (GETHASH 'D0502 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                              "detailed and extensive oral evaluation - problem focused, by report .")
(GETHASH 'DOL7O CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "posterior-anterior or lateral skull and facial bone survey film.")
(GETHASH 'D0310 CDT-HASH-TARLE) "sialography.")
(GETHASH 'D0320 CDT-HASH-TABLE)
                                                                                                 "unspecified diagnostic procedure, by report.")

(SETF (GETHASH 'D0501 CDT-HASH-TABLE) "histopathologic examinations.")

(SETF (GETHASH 'D0120 CDT-HASH-TABLE) "periodic oral evaluation.")

(SETF (GETHASH 'D0140 CDT-HASH-TABLE) "periodic oral evaluation.")

(SETF (GETHASH 'D0140 CDT-HASH-TABLE) "periodic oral evaluation.")

(SETF (GETHASH 'D0150 CDT-HASH-TABLE) "comprehensive oral evaluation.")

(SETF (GETHASH 'D0150 CDT-HASH-TABLE) "comprehensive oral evaluation.")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "bacteriologic studies for determination of pathologic agents .")
(GETHASH 'D0425 CDT-HASH-TARLE) "caries susceptibility tests.")
(GETHASH 'D0406 CDT-HASH-TARLE) "pulp vitality tests.")
(GETHASH 'D0470 CDT-HASH-TARLE) "diagnostic casts.")
(GETHASH 'D0472 CDT-HASH-TARLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ETF (GETHASH 'DOZOG CDT-HASH-TABLE)

"intraoral - periapical first film.")

ETF (GETHASH 'DOZOC CDT-HASH-TABLE)

"intraoral - periapical first film.")

ETF (GETHASH 'DOZOC CDT-HASH-TABLE)

"intraoral - periapical each additional film.")

ETF (GETHASH 'DOZOC CDT-HASH-TABLE)

"straoral - aach additional film.")

ETF (GETHASH 'DOZOC CDT-HASH-TABLE)

"straoral - aach additional film.")

ETF (GETHASH 'DOZOC CDT-HASH-TABLE)

"straoral - aach additional film.")

ETF (GETHASH 'DOZOZ CDT-HASH-TABLE)

"straoral - aach additional film.")

ETF (GETHASH 'DOZOZ CDT-HASH-TABLE)

"strain 'DICAN' CDT-HASH-TABLE'

"strain 'DICAN' CDT-HASH-TABLE'

"vertical bitewings - four films.")

ETF (GETHASH 'DOZOZ CDT-HASH-TABLE)

"vertical bitewings - four films.")

ETF (GETHASH 'DOZOZ CDT-HASH-TABLE)

"vertical bitewings - four films.")

ETF (GETHASH 'DOZOZ CDT-HASH-TABLE)

"vertical bitewings - four films.")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "oral/facial images (includes intra and extraoral images).")
(GETHASH 'D0415 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "temporomandibular joint arthrogram, including injection.")
(GETHASH 'D0321 CDT-HASH-TABLE)
(setq cdt-hash-table (make-hash-table :size 10000 :test 'equal))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "unspecified diagnostic procedure, by report.")
(SETF (GETHASH 'D1110 CDT-HASH-TABLE) "prophylaxis - adult.")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "other temporomandibular joint films, by report.")
(GETHASH 'D0322 CDT-HASH-TABLE) "tomographic survey.")
(GETHASH 'D0330 CDT-HASH-TABLE) "panoramic film.")
(GETHASH 'D0340 CDT-HASH-TABLE) "cephalometric film.")
(GETHASH 'D0350 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     'intraoral - complete series (including bitewings) .")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "other oral pathology procedures, by report.")
(SETF (GETHASH 'D0999 CDT-HASH-TABLE)
                                                                             (SETF (GETHASH 'D0999 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
```

```
"resin-based composite - three surfaces, anterior.")
(SETF (GETHASH 'D2335 CDT-HASH-TABLE)
"resin-based composite - four or more surfaces or involving incisal angle (anterior).")
(SETF (GETHASH 'D2336 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "resin-based composite - four or more surfaces, posterior permanentD2651") (GETHASH 'D2410 CDT-HASH-TABLE) "gold foil - one surface.") (GETHASH 'D2420 CDT-HASH-TABLE) "gold foil - two surfaces.")
(SETF (GETHASH 'D1120 CDT-HASH-TABLE) "prophylaxis - child.")
(SETF (GETHASH 'D1201 CDT-HASH-TABLE)
"topical application of fluoride (including prophylaxis) - child.")
(SETF (GETHASH 'D1203 CDT-HASH-TABLE)
"topical application of fluoride (prophylaxis not included) - child.")
(SETF (GETHASH 'D1204 CDT-HASH-TABLE)
"topical application of fluoride (prophylaxis not included) - adult.")
(SETF (GETHASH 'D1205 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "resin-based composite - three or more surfaces, posterior-primary.") (SETF (GETHASH 'D238S CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF (GETHASH 'D1330 CDT-HASH-TABLE) "rotal hygiene instructions.")
(SETF (GETHASH 'D1330 CDT-HASH-TABLE) "oral hygiene instructions.")
(SETF (GETHASH 'D1310 CDT-HASH-TABLE) "sealant - per tooth.")
(SETF (GETHASH 'D1510 CDT-HASH-TABLE)
"space maintainer - fixed - unilateral.")
(SETF (GETHASH 'D1515 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                 "topical application of fluoride (including prophylaxis) - adult.")
(SETF (GETHASH 'D1310 CDT-HASH-TABLE)
    "nutritional counseling for control of dental disease.")
(SETF (GETHASH 'D1320 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Space maintainer - removable - unilateral.")
(SETF (GETHASH 'D1525 COT-HASH-TABLE)
"space maintainer - removable - bilateral.")
(SETF (GETHASH 'D1530 COT-HASH-TABLE)
"recementation of space maintainer.")
(SETF (GETHASH 'D2110 CDT-HASH-TABLE) "amalgam - one surface, primary.")
(SETF (GETHASH 'D2120 CDT-HASH-TABLE) "amalgam - one surface, primary.")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "resin-based composite - three surfaces, posterior-permanent.")
(SETF (GETHASH 'D2388 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "resin-based composite - two surfaces, posterior-permanent.") (SETF (GETHASH 'D2387 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "resin-based composite - one Surface, posterior-permanent.")
(SETF (GETHASH '02386 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "resin-based composite - two surfaces, posterior-primary.")
(SETF (GETHASH 'D2382 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "resin-based composite - one surface, posterior-primary.")
(GETHASH 'D2381 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "resin-based composite crown, anterior-permanent.") (SETF (GETHASH 'D2380 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "resin-based composite - two surfaces, anterior.")
(SETF (GETHASH 'D2332 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "resin-based composite - one surface, anterior.")
(SETF (GETHASH 'D2331 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "resin-based composite crown, anterior-primary.")
(SETF (GETHASH 'D2337 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "amalgam - two surfaces, primary.")
(SETF (GETHASH 'D2130 CDT-HASH-TABLE)
"amalgam - three surfaces, primary.")
(SETF (GETHASH 'D2131 CDT-HASH-TABLE)
"amalgam - four or more surfaces, primary.")
(SETF (GETHASH 'D2140 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        'space maintainer - fixed - bilateral.")
(SETF (GETHASH 'D1S20 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "amalgam - three surfaces, permanent.")
(SETF (GETHASH 'D2330 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "amalgam - two surfaces, permanent.")
(SETF (GETHASH 'D2160 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "amalgam - one surface, permanent.")
(GETHASH 'D2150 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
```

```
(SETF (GETHASH D2230 CDT-HASH-TABLE) "gold foil - three surface.")
(SETF (GETHASH D2230 CDT-HASH-TABLE) "inlay - metallic - one surface.")
(SETF (GETHASH D2230 CDT-HASH-TABLE) "inlay - metallic - one surfaces.")
(SETF (GETHASH D2242 CDT-HASH-TABLE) "onlay-metallic - three or more surfaces.")
(SETF (GETHASH D2243 CDT-HASH-TABLE) "onlay-metallic-three surfaces.")
(SETF (GETHASH D2254 CDT-HASH-TABLE) "crown resin with noble metal.")
(SETF (GETHASH D2254 CDT-HASH-TABLE) "crown resin with noble metal.")
(SETF (GETHASH D2254 CDT-HASH-TABLE) "crown resin with noble metal.")
(SETF (GETHASH D2254 CDT-HASH-TABLE) "crown resin with noble metal.")
(SETF (GETHASH D2254 CDT-HASH-TABLE) "crown resin with noble metal.")
(SETF (GETHASH D2254 CDT-HASH-TABLE) "crown resin with noble metal.")
(SETF (GETHASH D2254 CDT-HASH-TABLE) "crown resin with noble metal.")
(SETF (GETHASH D2254 CDT-HASH-TABLE) "crown resin with noble metal.")
(SETF (GETHASH D2254 CDT-HASH-TABLE) "crown resin with noble metal.")
(SETF (GETHASH D2254 CDT-HASH-TABLE) "crown resin with noble metal.")
(SETF (GETHASH D2254 CDT-HASH-TABLE) "crown resin with noble metal.")
(SETF (GETHASH D2254 CDT-HASH-TABLE) "crown resin with noble metal.")
(SETF (GETHASH D2254 CDT-HASH-TABLE) "crown resin with noble
```

"prefabricated stainless steel crown - primary tooth.") (SETF (GETHASH 'D2931 CDT-HASH-TABLE) "prefabricated stainless steel crown - permanent tooth.")

```
'apexification/recalcification - final visit (includes completed root canal therapy - apical closure/calcific repair of perforations, root resorption, etc.).")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "therapeutic pulpotromy (excluding final restoration) removal of pulp coronal to the dentinocemental junction and application of medicament...")

"GETHASH TASH-TASH-TABLE)

"GETHASH 1923 OCTHASH-TABLE)

"GETHASH 1923 OCTHASH-TABLE)

"Dulpal therapy (resorbable filling) - anterior, primary tooth (excluding final restoration) .")

"GETHASH 1933 OCTHASH-TABLE)

"Dulpal therapy (resorbable filling) - posterior, primary tooth (excluding final restoration) .")

"GETHASH 1933 OCTHASH-TABLE)

"anterior (excluding final restoration).")

"GETHASH 1933 OCTHASH-TABLE)

"anterior (excluding final restoration).")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           apexification/recalcification - interim medication replacement (apical closure/calcific repair of perforations, root resorption, etc.).")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             apexification/recalcification - initial visit (apical closure/calcific repair of perforations, root resorption, etc.).")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "incomplete endodontic therapy; inoperable or fractured tooth.")
(GETHASH 'D3346 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                               "post removal (not in conjunction with endodontic therapy).")
(GETHASH 'D2057 CDT-HASH-TABLE) "To be used with D2954.")
(GETHASH 'D2960 CDT-HASH-TABLE)
(GETHASH 'D2932 CDT-HASH-TABLE) "prefabricated resin crown.") (GETHASH 'D2933 CDT-HASH-TABLE) "prefabricated stainless steel crown with resin window.") (GETHASH 'D2940 CDT-HASH-TABLE) "sedative filling.")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "apicoectomy/periradicular surgery - bicuspid (first root).")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 treatment of root canal obstruction; non-surgical access.")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "temporary crown (fractured tooth).")
(GETHASH 'D2980 CDI-HASH-TABLE) "crown repair, by report.")
(GETHASH 'D2999 CDI-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    previous root canal therapy - anterior.")
CDT-HASH-TABLE)
                                                                                                                                                                                                                  retention - per tooth, in addition to restoration.") NASH 'D2952 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            previous root canal therapy - bicuspid.")
CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF (GETHASH 'D3351 CDT-MASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "pulp cap - indirect (excluding final restoration).")
(GETHASH 'D3220 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                              "prefabricated post and core in addition to crown.")
(GETHASH 'D2955 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "labial veneer (porcelain laminate) - laboratory.")
(GETHASH 'D2970 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "unspecified restorative procedure, by report.")
(GETHASH 'D3110 CDT-HASH-TABLE)
"pulp cap - direct (excluding final restoration).")
(GETHASH 'D3120 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "apicoectomy/periradicular surgery - anterior.")
(GETHASH 'D3421 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "labial veneer (resin laminate) - laboratory.")
(GETHASH 'D2962 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "labial veneer (resin laminate) - chairside.")
(GETHASH 'D2961 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                 "cast post and core in addition to crown.") (GETHASH 10293 CDT-HASH-TABLE) "each additional cast post - same tooth.") (GETHASH 102954 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       bicuspid (excluding final restoration).")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   molar (excluding final restoration).")
                                                                                                                   (GETHASH 'D2950 CDT-HASH-TABLE)
"core buildup, including any pins.")
(GETHASH 'D2951 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF (GETHASH 'D3352 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (GETHASH 'D3330 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF (GETHASH 'D3410 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF (GETHASH 'D3331 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF (GETHASH 'D3332 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (GETHASH 'D3348
                                                                                                                                                                                                                                                          (GETHASH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
                                                                                                                                                                                           (SETF
                                                                                                                                                                                                                                                          (SETF
                                                                                                                                                                                                                                                                                                                        (SETF
                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
```

```
Docalized delivery of Chemotherapeutic agents via a controlled release vehicle into diseased crevicular tissue, per tooth, by report.")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CSETF (GETHASH '0426 TOT-HASH-TABLE)

(SETF (GETHASH '0426 TOT-HASH-TABLE)

"guided tissue regeneration - resorbable barrier, per site, (includes membrane removal).")

(SETF (GETHASH '0426 TOT-HASH-TABLE)

"guided tissue regeneration - nonresorbable barrier, per site, (includes membrane removal).")

(SETF (GETHASH '0427 TOT-HASH-TABLE)

"guided tissue graft procedure.")

(SETF (GETHASH '0427 COT-HASH-TABLE)

"subeptihelial connective tissue graft procedure (including donor site surgery).")

(SETF (GETHASH '04274 COT-HASH-TABLE)

"subeptihelial connective tissue graft procedure (including donor site surgery).")

(SETF (GETHASH '04274 COT-HASH-TABLE)

"subeptihelial connective tissue graft procedure (when not performed in conjunction with surgical procedures in the same anatomical area).")

(SETF (GETHASH '04320 COT-HASH-TABLE)

"polysisonal splinting - intracoronal.")

(SETF (GETHASH '04321 COT-HASH-TABLE)

"polysisonal splinting - intracoronal.")

(SETF (GETHASH '04321 COT-HASH-TABLE)

"polysisonal splinting - intracoronal.")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF (GETHASH 'D435S CDT-HASH-TABLE)
"full mouth debridement to enable comprehensive periodontal evaluation and diagnosis.")
(SETF (GETHASH 'D483B CDT-HASH-TABLE)
"Incalized dalivery of champtheraneuric agents via a controlled release vabicle into dia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "hemisection (including any root removal), not including root canal therapy.")
(GETHASH 'D39SO CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF (GETHASH 'D5110 CDT-HASH-TABLE)
"unscheduled dressing change (by someone other than treating dentist).")
(SETF (GETHASH 'D5110 CDT-HASH-TABLE)
(SETF (GETHASH 'D5110 CDT-HASH-TABLE) "complete denture - maxillary.")
(SETF (GETHASH 'D5120 CDT-HASH-TABLE) "complete denture - mandibular.")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              'osseous surgery (including flap entry and closure) - per quadrant.")
(GETHASH 'D4263 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "gingivectomy or gingivoplasty - per tooth.")
(SETF (GETHASH '104220 COT-HASH-TABLE)
"gingival curettage, surgical - per quadrant, by report.")
(SETF (GETHASH '104240 COT-HASH-TABLE)
"gingival flap procedure, including root planing - per quadrant.")
(SETF (GETHASH '104249 COT-HASH-TABLE) "apically positioned flap.")
(SETF (GETHASH '104249 COT-HASH-TABLE) "clinical crown lengthening - hard tissue.")
(SETF (GETHASH '104260 COT-HASH-TABLE)
                                                                                                               "apicoectomy/periradicular surgery (each additional root).")
(GETHASH 'D3430 CDT-HASH-TABLE) "retrograde filling - per root.")
(GETHASH 'D3450 CDT-HASH-TABLE) "root amputation - per root.")
(GETHASH 'D3460 CDT-HASH-TABLE) "endodontic endosseous implant.")
(GETHASH 'D3470 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "periodontal maintenance procedures (following active therapy).") (SETF (GETHASH 'D4920 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                "intentional reimplantation (including necessary splinting).") (GETHASH 'D3910 CDT-HASH-TARLE) "surgical procedure for isolation of tooth with rubber dam.") (GETHASH 'D3920 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "bone replacement graft - each additional site in quadrant.")
(SETF (GETHASH 'D4266 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "canal preparation and fitting of preformed dowel or post.") (SETF (GETHASH 'D3999 CDT-HASH-TABLE)
                                        "apicoectomy/periradicular surgery- molar (first root).")
(GETHASH 'D3426 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            periodontal scaling and root planing, per quadrant.")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "bone replacement graft - first site in quadrant.")
(SETF (GETHASH 104264 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "gingivectomy or gingivoplasty - per quadrant.")
(GETHASH 'D4211 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "unspecified endodontic procedure, by report.")
(GETHASH 'D4210 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "provisional splinting - extracoronal.")
(SETF (GETHASH 'D4341 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF (GETHASH 'D4910 CDŤ-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (GETHASH
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                         (SETF
                                                                                                                                                                         (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                          (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
```

```
"maxillary partial defines — cast metal framework with resin denture bases (including any conventional clasps, rests and teeth).")

(GETHASH 'DS214 CDT-HASH-TABLE)

"mandibular partial denture — cast metal framework with resin denture bases (including any conventional clasps, rests and teeth)")

(GETHASH 'DS24 CDT-HASH-TABLE)

"removable unilateral partial denture — one piece cast metal (including clasps and teeth).")

(GETHASH 'DS410 CDT-HASH-TABLE)

"adjust complete denture — maxillary.")

(GETHASH 'DS411 CDT-HASH-TABLE)

(GETHASH 'DS411 CDT-HASH-TABLE)
(GETHASH 'D5130 CDT-HASH-TABLE) "immediate denture – maxillary.")
(GETHASH 'D5140 CDT-HASH-TABLE) "immediate denture – mandibular.")
(GETHASH 'D5211 CDT-HASH-TABLE)
"maxillary partial denture – resin base (including any conventional clasps, rests and teeth).")
(GETHASH 'D5212 CDT-HASH-TABLE)
"mandibular partial denture – resin base (including any conventional")
(GETHASH 'D5213 CDT-HASH-TABLE)
(GETHASH 'D5213 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF (GETHASH 'D5421 CDI-HASH-IABLE)

(SETF (GETHASH 'D5421 CDT-HASH-TABLE)

"adjust complete denture - maxillary.")

(SETF (GETHASH 'D5422 CDT-HASH-TABLE)

"adjust partial denture - maxillary.")

(SETF (GETHASH 'D5520 CDT-HASH-TABLE)

"replace mosning or broken teeth - complete denture base.")

(SETF (GETHASH 'D5520 CDT-HASH-TABLE)

"replace missing or broken teeth - complete denture base.")

(SETF (GETHASH 'D5520 CDT-HASH-TABLE) "repair cast framework.")

(SETF (GETHASH 'D5620 CDT-HASH-TABLE) "repair cast framework.")

(SETF (GETHASH 'D5630 CDT-HASH-TABLE) "repair or replace broken clasp.")

(SETF (GETHASH 'D5630 CDT-HASH-TABLE)

"replace broken teeth - per tooth.")

(SETF (GETHASH 'D5630 CDT-HASH-TABLE)

"add tooth to existing partial denture.")

(SETF (GETHASH 'D5630 CDT-HASH-TABLE)

"add clasp to existing partial denture.")

(SETF (GETHASH 'D5510 CDT-HASH-TABLE)

"add clasp to existing partial denture.")

(SETF (GETHASH 'D5510 CDT-HASH-TABLE)

"add clasp to existing partial denture.")

(SETF (GETHASH 'D5710 CDT-HASH-TABLE)

"Exhance complete maxilary denture.")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF (GETHASH 'DSS20 CDT-HASH-TABLE)

(SETF (GETHASH 'DSS20 CDT-HASH-TABLE)

"interim partial denture (maxillary).")

(SETF (GETHASH 'DSS21 CDT-HASH-TABLE)

"interim partial denture (mandibular).")

(SETF (GETHASH 'DSS50 CDT-HASH-TABLE) "tissue conditioning, maxillary.")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "reline complete mandibular denture (laboratory).")
(SETF (GETHASH 'D5760 CDT-HASH-TABLE)
"reline maxillary partial denture (laboratory) .")
(SETF (GETHASH 'D5761 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "reline complete maxillary denture (chairside).")
(SETF (GETHASH 'D7STA LOTHASH-TABLE)
"reline complete mandibular denture (chairside).")
(SETF (GETHASH 'D5740 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "reline complete maxillary denture (laboratory).") (SETF (GETHASH 'D5751 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       reline mandibular partial denture (laboratory).")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "reline mandibular partial denture (chairside).")
(SETF (GETHASH 'DS750 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "reline maxillary partial denture (chairside).")
(SETF (GETHASH 'D5741 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             'interim complete denture (maxillary).")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "rebase complete mandibular denture.")
(SETF (GETHASH 'DS720 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "rebase maxillary partial denture.")
(SETF (GETHASH 'DS721 COTHASH-TABLE)
"rebase mandibular partial denture.")
(SETF (GETHASH 'DS730 COTHASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF (GETHASH 'DS811 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF (GETHASH 'D5810 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                    (SETF
                                                                                                                                                                                                                                                                      (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
```

```
"replacement of replaceable part of semi-precision or precision attachment (male or female component).") (SETF (GETHASH 'DS899 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF (GETHASH 'D5912 CDT-HASH-TABLE)

(SETF (GETHASH 'D5911 CDT-HASH-TABLE) "facial moulage (sectional).")

(SETF (GETHASH 'D5912 CDT-HASH-TABLE) "facial moulage (sectional).")

(SETF (GETHASH 'D5913 CDT-HASH-TABLE) "facial moulage (complete).")

(SETF (GETHASH 'D5913 CDT-HASH-TABLE) "nasal prosthesis.")

(SETF (GETHASH 'D5914 CDT-HASH-TABLE) "naticular prosthesis.")

(SETF (GETHASH 'D5915 CDT-HASH-TABLE) "nothital prosthesis.")

(SETF (GETHASH 'D5919 CDT-HASH-TABLE) "coular prosthesis.")

(SETF (GETHASH 'D5922 CDT-HASH-TABLE) "facial prosthesis.")

(SETF (GETHASH 'D5924 CDT-HASH-TABLE) "cranial prosthesis.")

(SETF (GETHASH 'D5925 CDT-HASH-TABLE) "cranial prosthesis.")

(SETF (GETHASH 'D5925 CDT-HASH-TABLE) "cranial prosthesis.")

(SETF (GETHASH 'D5925 CDT-HASH-TABLE) "asal prosthesis.")

(SETF (GETHASH 'D5925 CDT-HASH-TABLE) "asal prosthesis.")

(SETF (GETHASH 'D5925 CDT-HASH-TABLE) "nasal prosthesis.")

(SETF (GETHASH 'D5925 CDT-HASH-TABLE) "asal prosthesis, replacement.")

(SETF (GETHASH 'D5928 CDT-HASH-TABLE) "nasal prosthesis, replacement.")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "orbital prosthesis, replacement.")
(GETHASH D5929 CDT-HASH-TABELE, "Facial prosthesis, replacement.")
(GETHASH D5931 CDT-HASH-TABLE) "obturator prosthesis, surgical.")
(GETHASH D5932 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF (GETHASH 'D5936 CDT-HASH-TABLE) "obturator prosthesis, interim.") (SETF (GETHASH 'D5936 CDT-HASH-TABLE) "obturator prosthesis, interim.") (SETF (GETHASH 'D5937 CDT-HASH-TABLE) "Trismus appliance (TABLE) "feeding aid.") (SETF (GETHASH 'D5952 CDT-HASH-TABLE) "feeding aid.")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "speech aid prosthesis, pediatric.")
(SETF (GETHASH 'D5953 CDT-HASH-TABLE) "speech aid prosthesis, adult.")
(SETF (GETHASH 'D5954 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Speech aid prosthesis, modification.")

(SETF (GETHASH 'D5982 CDT-HASH-TABLE) "surgical stent.")

(SETF (GETHASH 'D5983 CDT-HASH-TABLE) "radiation carrier.")

(SETF (GETHASH 'D5984 CDT-HASH-TABLE) "radiation shield.")

(SETF (GETHASH 'D5985 CDT-HASH-TABLE) "radiation cone locator.")

(SETF (GETHASH 'D5985 CDT-HASH-TABLE) "radiation cone locator.")

(SETF (GETHASH 'D5985 CDT-HASH-TABLE) "commissure splint.")

(SETF (GETHASH 'D5999 CDT-HASH-TABLE) "surgical splint.")

(SETF (GETHASH 'D5999 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "mandibular resection prosthesis with guide flange.")
(SETF (GETHASH 'D5935 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "unspecified maxillofacial prosthesis, by report.")
(GETHASH 'D6010 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "palatal lift prosthesis, modification.")
(SETF (GETHASH 'DS960 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "palatal lift prosthesis, definitive.")
(GETHASH 'D5958 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF (GETHASH 'D5933 COT-HASH-TABLE)
"obturator prosthesis, modification.")
(SETF (GETHASH 'D5934 COT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF (GETHASH 'D5959 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            rator prosthesis, definitive.")
                                                                                                                        "overdenture - complete, by report")
(SETF (GETHASH 'D5861 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "palatal augmentation prosthesis.")
(GETHASH 'DS955 CDT-HASH-TABLE)
                                                                                                                                                                                                               "overdenture - partial, by report") (SETF (GETHASH 'DS862 CDT-HASH-TABLE)
                                "tissue conditioning, mandibular.")
(SETF (GETHASH 'D5860 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                              "precision attachment, by report.") (SETF (GETHASH 'D5867 CDT-HASH-TABLE)
(SETF (GETHASH 'D5851 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
```

```
"implant maintenance procedures, including removal of prosthesis, cleansing of prosthesis and abutments and reinsertion of prosthesis.")
(SETF (GETHASH 'D6090 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "implant supported retainer for porcelain fused to metal FPD ( titanium, titanium alloy, or high noble metal).")

(SETF (GETHASH 'D6077 CDT-HASH-TABLE)

"implant supported retainer for cast metal FPD ( titanium, titanium alloy, or high noble metal).")

(SETF (GETHASH 'D6078 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "implant supported porcelain fused to metal crown (titanium, titanium alloy, high noble metal).")
(SETF (GETHASH 'D6067 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "abutment supported retainer for porcelain/ceramic FPD.")
(SETF (GETHASH 'D6069 CDT-HASH-TABLE)

"abutment supported retainer for porcelain fused to metal FPD (high noble metal).")
(SETF (GETHASH 'D6070 CDT-HASH-TABLE)

"abutment supported retainer for porcelain fused to metal FPD (predominately base metal).")
(SETF (GETHASH 'D6071 CDT-HASH-TABLE)

"abutment supported retainer for porcelain fused to metal FPD (noble metal).")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "abutment supported porcelain fused to metal crown (predominantly base metal).") (SETF (GETHASH 'D6061 CDT-HASH-TABLE) "abutment supported porcelain fused to metal crown (noble metal) .") (SETF (GETHASH 'D6062 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "implant supported metal crown (titanium, titanium alloy, high noble metal).") (SETF (GETHASH 'D6068 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF (GETHASH 'D6072 CDT-HASH-TABLE)
"abutment supported retainer for cast metal FPD (high noble metal).")
(SETF (GETHASH 'D6073 CDT-HASH-TABLE)
"abutment supported retainer for cast metal FPD (predominately base metal).")
(SETF (GETHASH 'D6074 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         implant/abutment supported fixed denture for completely edentulous arch.")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           implant/abutment supported fixed denture for partially edentulous arch.")
                                                                                                                                                                                                                                                                                                                                              "dental implant supported connecting bar.")

(GETHASH 10605 COT-HASH-TABLE) "prefabricated abutment.")

(GETHASH 10605 COT-HASH-TABLE) "custom abutment.")

(GETHASH 106058 COT-HASH-TABLE) "custom abutment.")

(GETHASH 106058 COT-HASH-TABLE)

"abutment supported porcelain/ceramic crown.")

(GETHASH 106060 COT-HASH-TABLE)

"abutment supported porcelain [used to metal crown (high noble metal) .")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "unspecified implant procedure, by report.")
(GETHASH 'D6210 CDT-HASH-TABLE) "pontic - cast high noble metal.")
(GETHASH 'D6211 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "abutment supported cast metal crown (predominantly base metal).") (SETF (GETHASH 'D6064 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "aburment supported retainer for cast metal FPD (noble metal).") (SEFF (GETHARY "D6075 GDT—HASH—TABLE) "implant supported retainer for ceramic FPD.") (SETF (GETHASH "D6076 CDT—HASH—TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "repair implant abutment, by report.")
(SETF (GETHASH 'D6100 CDT-HASH-TABLE) "implant removal, by report.")
(SETF (GETHASH 'D6199 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "abutment supported cast metal crown (high noble metal).")
(SETF (GETHASH 'D6063 CDT-HASH-TABLE)
"surgical placement of implant body: endosteal implant.")
(SETF (GETHASH 'D6020 CDT-HASH-TABLE)
"abutment placement to rsubstitution: endosteal implant.")
(SETF (GETHASH 'D6040 CDT-HASH-TABLE)
"surgical placement: eposteal implant.")
(SETF (GETHASH 'D6050 CDT-HASH-TABLE)
"surgical placement: transosteal implant.")
(SETF (GETHASH 'D6055 CDT-HASH-TABLE)
(SETF (GETHASH 'D6055 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           abutment supported cast metal crown (noble metal).")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "repair implant supported prosthesis, by report.") (SETF (GETHASH 'D6095 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "implant supported porcelain/ceramic crown.")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            'D6065 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                'D6066 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF (GETHASH 'D6080 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF (GETHASH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF (GETHASH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF (GETHASH
                                                                                                                                                                                                                                                                                                                                                                                               (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
```

```
(SETE GETHASH 19222 COTH-MASH-TABLE)

SETE GETHASH 19222 COTH-MASH-TABLE)

"DOUTC - CORT OF THASH-TABLE)

"SETE GETHASH 10623 COTH-MASH-TABLE)

"COUNT - CORT OF THASH-TABLE)

"COUNT - CORT OF THASH-TABLE)

"SETE GETHASH 10623 COTH-MASH-TABLE)

"COUNT - DOTC-SIATH TEASH COTH OF THE MASH-TABLE)

"COUNT - DOTC-SIATH TEASH COTH OF THASH CORT - 3/4 DOTC-SIATH CASH THASH CORT - 3/4 CO
```

```
(SETF (GETHASH 'D7350 CDT-HASH-TABLE)
"vestibuloplasty - ridge extension (including soft tissue grafts, muscle reattachment, revision of soft tissue attachment and management of hypertrophied and hyperplastic
                                                                                                                                                                                                                                (GETHASH 'D7110 CDT-HASH-TABLE) "single tooth.")
(GETHASH 'D7110 CDT-HASH-TABLE) "single tooth.")
(GETHASH 'D7120 CDT-HASH-TABLE) "root removal - exposed roots.")
(GETHASH 'D7120 CDT-HASH-TABLE) "root removal - exposed roots.")
(GETHASH 'D7210 CDT-HASH-TABLE)
"surgical removal of erupted tooth requiring elevation of mucoperiosteal flap and removal of bone and/or section of tooth.")
(GETHASH 'D7220 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SET (GETHASH 'D728 CUT-HASH-TABLE)

"surgical exposure of impacted or unerupted tooth for orthodontic reasons (including orthodontic attachments).")

(SET (GETHASH 'D728 CUT-HASH-TABLE)

"surgical exposure of impacted or unerupted tooth to aid eruption.")

(SET (GETHASH 'D728 CUT-HASH-TABLE)

"biopsy of oral tissue - hard (bone, tooth).")

(SETF (GETHASH 'D728 CUT-HASH-TABLE)

"biopsy of oral tissue - soft (all others).")

(SETF (GETHASH 'D728 CUT-HASH-TABLE)

"biopsy of oral tissue - hard (bone, tooth).")

(SETF (GETHASH 'D728 CUT-HASH-TABLE)

"biopsy of oral tissue - hard (bone, tooth).")

(SETF (GETHASH 'D728 CUT-HASH-TABLE)

"biopsy of oral tissue - hard (bone, tooth).")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "tooth reimplantation and/or stabilization of accidentally evulsed or displaced tooth and/or alveolus.") (GETHASH 'D7272 CDT-HASH-TABLE) "tooth transplantation (includes reimplantation from one site to another and splinting and/or stabilization).")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "removal of impacted tooth - completely bony.")
(SETF (GETHASH 'D7241 CDT-HASH-TABLE)
"removal of impacted tooth - completely bony, with unusual surgical complications.")
(SETF (GETHASH 'D7250 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "alveoloplasty not in conjunction with extractions - per quadrant.") (SETF (GETHASH 'D7340 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "excision of benign tumor - lesion diameter greater than 1.25 cm.") (SETF (GETHASH 'D7440 CDT-HASH-TABLE)
"excision of malignant tumor - lesion diameter up to 1.25 cm.")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Vestibuloplasty - ridge extension (secondary epithelialization).")
(GETHASH 'D7350 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "biopsy of oral tissue...of (all others).")

(SETF (GETHASH '07290 CDT-HASH-TABLE)

"surgical repositioning of teeth.")

(SETF (GETHASH '07291 CDT-HASH-TABLE)

"transseptal fiberotomy, by report.")

(SETF (GETHASH '07310 CDT-HASH-TABLE)

"alveoloplasty in conjunction with extractions - per quadrant.")

(SETF (GETHASH '07320 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "surgical removal of residual tooth roots (cutting procedure).")
(GETHASH 'D7260 CDT-HASH-TABLE) "oroantral fistula closure.")
(GETHASH 'D7270 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "excision of benign tumor - lesion diameter up to 1.25 cm.")
(SETF (GETHASH 'D7431 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "radical excision - lesion diameter greater than 1.25 cm.")
(SETF (GETHASH 'D7430 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF (GETHASH 'D7410 CDT-HASH-TABLE)
"radical excision - lesion diameter up to 1.25 cm.")
(SETF (GETHASH 'D7420 CDT-HASH-TABLE)
                      (SETF (GETHASH 'D6977 CDT-HASH-TABLE)

"aach additional prefabricated post - same tooth.")

(SETF (GETHASH 'D6980 CDT-HASH-TABLE)

"fixed partial denture repair, by report.")

(SETF (GETHASH 'D6999 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "removal of impacted tooth - partially bony.")
(GETHASH 'D7240 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "removal of impacted tooth - soft tissue.")
(SETF (GETHASH 'D7230 CDT-HASH-TABLE)
"each additional cast post - same tooth.")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF (GETHASH 'D7280 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF (GETHASH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
(SETF
                                                                                                                                                                                                                                                                                           (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
```

- lesion diameter greater than 1.25 cm.")

"excision of malignant tumor - lesion diameter up to 1.25 cm.") (SEFF (GETHASH-19741 COT-HASH-18BLE)
"excision of malignant tumor - lesion diameter greater than 1.25 (SETF (GETHASH 1974SO CDT-HASH-TABLE)

```
"facial bones - complicated reduction with fixation and multiple surgical approaches.")
(GETHASH 'D7710 CDT-HASH-TABLE) "maxilla open reduction.")
(GETHASH 'D7720 CDT-HASH-TABLE) "maxilla - closed reduction.")
(GETHASH 'D7730 CDT-HASH-TABLE) "mandible - open reduction.")
(GETHASH 'D7740 CDT-HASH-TABLE) "mandible - closed reduction.")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "facial bones - complicated reduction with fixation and multiple surgical approaches.") (GETHASH 'D7810. CDT-HASH-TABLE) "open reduction of dislocation.") (GETHASH 'D7820 CDT-HASH-TABLE)
                                                                                                                                                                                      "removal of nonodontogenic cyst or tumor - lesion diameter greater than 1.25 cm.")
(SETF (GETHASH 'D7465 CDT-HASH-TABLE)
"destruction of lesion(S) by physical or chemical method, by report.")
(SETF (GETHASH 'D7471 CDT-HASH-TABLE)
"removal of exostosis - per site.")
(SETF (GETHASH 'D7480 CDT-HASH-TABLE)
                                                                removal of odontogenic cyst or tumor - lesion diameter greater than 1.25 cm .")
(GETHASH 'D7460 CDT-HASH-TABLE)
                                                                                                                                removal of nonodontogenic cyst or tumor - lesion diameter up to 1.25 cm.")
(GETHASH 'D7461 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "removal of foreign body, skin, or subcutaneous alveolar tissue.")
(SETF (GETHASH 'D7540 CDT-HASH-TABLE)
"removal of reaction producing foreign bodies, musculoskeletal system.")
(SETF (GETHASH 'D750 CDT-HASH-TABLE)
"sequestrection for osteomyelitis.")
(SETF (GETHASH 'D7560 CDT-HASH-TABLE)
"removal of odontogenic cyst or tumor - lesion diameter up to 1.25 cm.")
(GETHASH 'D7451 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "maxillary sinusotomy for removal of tooth fragment or foreign body.")
(GETHASH 'D7610 CDT-HASH-TABLE)
"maxilla - open reduction (teeth immobilized, if present).")
(GETHASH 'D7620 CDT-HASH-TABLE)
"maxilla - closed reduction (teeth immobilized, if present).")
(GETHASH 'D7630 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "closed reduction of dislocation.")

(GETHASH 'D7830 CDT-HASH-TABLE) "manipulation under anesthesia.")

(GETHASH 'D7830 CDT-HASH-TABLE) "condylectomy.")

(GETHASH 'D7830 CDT-HASH-TABLE) "condylectomy.")

(GETHASH 'D7830 CDT-HASH-TABLE) "sungical discectomy, with/without implant.")

(GETHASH 'D7832 CDT-HASH-TABLE) "sunovectomy.")

(GETHASH 'D7836 CDT-HASH-TABLE) "myotomy.")

(GETHASH 'D7858 CDT-HASH-TABLE) "joint reconstruction.")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "alveolus - stabilization of teeth, closed reduction splinting.")
(GETHASH 'D7680 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "malar and/or zygomatic arch - closed reduction.")
(SETF (GETHASH 'D7770 CDT-HASH-TABLE)
    "alveolus - stabilization of teeth, open reduction splinting.")
(SETF (GETHASH 'D7780 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "mandible - open reduction (teeth immobilized, if present).")
(GETHASH 'D7640 CDT-HASH-TABLE)
"mandible - closed reduction (teeth immobilized, if present).")
(GETHASH 'D7650 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "radical resection of mandible with bone graft.")
(SETF (GETHASH '07510 CDT-HASH-TABLE)
"incision and drainage of abscess - intraoral soft tissue.")
(SETF (GETHASH '07520 CDT-HASH-TABLE)
"incision and drainage of abscess - extraoral soft tissue.")
(SETF (GETHASH '07530 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "malar and/or zygomatic arch - open reduction.")
(GETHASH 'D7660 CDT-HASH-TABLE)
"malar and/or zygomatic arch - closed reduction.")
(GETHASH 'D7670 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                               "partial ostectomy (guttering or saucerization).")
(GETHASH 'D7490 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "malar and/or zygomatic arch - open reduction.")
(GETHASH 'D7760 CDT-HASH-TABLE)
                                   (SETF (GETHASH
                                                                                                                                                                           (SETF (GETHASH
                                                                                                           (SETF (GETHASH
                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
(SETF
```

```
"osseous, osteoperiosteal, or cartilage graft of the mandible or facial bones - autogenous or nonautogenous, by report.")

"CETH (GETHASH 'D795S CDT-HASH-TABLE)

"repair of maxillofacial soft and hard tissue defect.")

(SETF (GETHASH 'D7960 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Lefort II or Lefort III (osteoplasty of facial bones for midface hypoplasia or retrusion)-without bone graft.")
(SETF (GETHASH 'D7949 CDT-HASH-TABLE)
"Lefort II or Lefort III - with bone graft.")
(SETF (GETHASH 'D7950 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "synthetic graft - mandible or facial bones, by report.")
(SETF (GETHASH 'D7996 CDT-HASH-TABLE)
    "implant-mandible for augmentation purposes (excluding alveolar ridge), by report.")
(SETF (GETHASH 'D7997 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Osteotomy - mandibular rani with bone graft; includes obtaining the graft.")
(GETHASH 'D7944. CDT-HASH-TABLE)
"Osteotomy - segmented or subapical - per sextant or quadrant.")
(GETHASH 'D7945 CDT-HASH-TABLE) "Osteotomy - body of mandible.")
(GETHASH 'D7946 CDT-HASH-TABLE) "LeFort I (maxilla - total).")
(GETHASH 'D7947 CDT-HASH-TABLE) "LeFort I (maxilla - segmented).")
(GETHASH 'D7948 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "skin graft (identify defect covered, location and type of graft).")
(SETF (GETHASH 'D7940 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                          "arthroscopy - surgical: lavage and lysis of adhesions.")
(SEFF (GETHASH 'D78A' D71-HASH-TABLE)
"arthroscopy - surgical: disc repositioning and stabilization.")
(SETF (GETHASH 'D7875 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "excision of salivary gland, by report.")
(GETHASH 'D7982 CDT-HASH-TABLE) "sialodochoplasty.")
(GETHASH 'D7993 CDT-HASH-TABLE) "closure of salivary fistula.")
(GETHASH 'D7991 CDT-HASH-TABLE) "emergency tracheotomy.")
(GETHASH 'D7991 CDT-HASH-TABLE) "coronoidectomy.")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "frenulectomy (frenectomy or frenotomy) - separate procedure.")
(GETHASH 'D7970 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "osteoplasty - for orthognathic deformities.")
(GETHASH 'D7941 CDT-HASH-TABLE) "osteotomy - mandibular rami.")
(GETHASH 'D7941 CDT-HASH-TABLE) "osteotomy - mandibular rami.")
(GETHASH 'D7943 CDT-HASH-TABLE)
                                                                                                                                                                                                         "arthroscopy - diagnosis, with or without biopsy.")
(GETHASH 'D7873 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "excision of pericoronal gingiva.")
(GETHASH 'D7980 CDT-HASH-TABLE) "sialolithotomy.")
(GETHASH 'D7981 CDT-HASH-TABLE)
(GETHASH 'D7860 CDT-HASH-TABLE) "arthrotomy.")
(GETHASH 'D7865 CDT-HASH-TABLE) "arthroplasty.")
(GETHASH 'D7870 CDT-HASH-TABLE) "arthrocentesis.")
(GETHASH 'D7871 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "excision of hyperplastic tissue - per arch.")
(GETHASH 'D7971 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "unspecified TMD therapy, by report.")
(SETF (GETHASH 'D7910 CDT-HASH-TABLE)
"suture of recent small wounds up to 5 cm.")
(SETF (GETHASH 'D7911 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                         (SETF (GETHASH 'D787C OT-HASH-TABLE)

(SETF (GETHASH 'D787C OT-HASH-TABLE)

(SETF (GETHASH 'D7877 OT-HASH-TABLE)

(SETF (GETHASH 'D783C OT-HASH-TABLE)

(SETF (GETHASH 'D7880 OT-HASH-TABLE)

"arthroscopy - surgical: debridement.")

(SETF (GETHASH 'D7899 OT-HASH-TABLE)

(SETF (GETHASH 'D7899 OT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "complicated suture - up to 5 cm.")
(SETF (GETHASH 'D7912 CDT-HASH-TABLE)
"complicated suture - greater than 5 cm.")
(SETF (GETHASH 'D7920 CDT-HASH-TABLE)
                                                                                                                                 "non-arthroscopic lysis and lavage.")
(SETF (GETHASH 'D7872 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                              (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
(SETF
```

```
"consultation (diagnostic service provided by dentist or physician other than practitioner providing treatment).")
(SETF (GETHASH 'D9410 CDT-HASH-TABLE)
"house/extended care facility call.")
(SETF (GETHASH 'D9420 CDT-HASH-TABLE) "hospital call.")
(SETF (GETHASH 'D9430 CDT-HASH-TABLE)
(SETF (GETHASH 'D9430 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "office visit for observation (during regularly scheduled hours) - no other services performed.")
(SETF (GETHASH 'D9440 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  orthodontic retention (removal of appliances, construction and placement of retainer(s)).")
"appliance removal (not by dentist who placed appliance), includes removal of archbar.")

(SETF (GETHASH 'D7999 CDT-HASH-TABLE)

"unspecified oral surgery procedure, by report.")

(SETF (GETHASH 'D8010 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF (GETHASH 'D9210 CDT-HASH-TABLE)

(SETF (GETHASH 'D9210 CDT-HASH-TABLE)

(SETF (GETHASH 'D9210 CDT-HASH-TABLE)

(SETF (GETHASH 'D9212 CDT-HASH-TABLE)

"trigeminal division block anesthesia.")

(SETF (GETHASH 'D9212 CDT-HASH-TABLE)

"trigeminal division block anesthesia.")

(SETF (GETHASH 'D9212 CDT-HASH-TABLE)

"SETF (GETHASH 'D9212 CDT-HASH-TABLE)

"GETF (GETHASH 'D9213 CDT-HASH-TABLE)

"GETF (GETHASH 'D9213 CDT-HASH-TABLE)

"GETP (GETHASH 'D9213 CDT-HASH-TABLE)

"General anesthesia - first 30 minutes.")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "comprehensive orthodontic treatment of the transitional dentition.") (SETF (GETHASH 'D8080 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "interceptive orthodontic treatment of the transitional dentition.") (SETF (GETHASH 'D8070 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "comprehensive orthodontic treatment of the adolescent dentition.") (GETHASH 'D8090 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "orthodontic treatment (alternative billing to a contract fee).") (SETF (GETHASH 'D8691 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "comprehensive orrhodontic treatment of the adult dentition.") (GETHASH '08210 CDT-HASH-TABLE) "removable appliance therapy.") (GETHASH '08220 CDT-HASH-TABLE) "fixed appliance therapy.") (GETHASH '08660 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "intravenous sedation/analgesia - each additional 15 minutes.")
(SETF (GETHASH 'D9248 CDT-HASH-TABLE)
                                                                                                                                                                                                  (SETF (GETHASH 'D8020 CDT-HASH-TABLE)
"limited orthodontic treatment of the transitional dentition.")
(SETF (GETHASH 'D8030 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "interceptive orthodontic treatment of the primary dentition.")
(GETHASH 'D8060 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "pre-orthodontic treatment visit .")
(GETHASH 'D8670 CDT-HASH-TARLE)
(GETHASH 'D8670 CDT-HASH-TARLE)
(GETHASH 'D8680 CDT-HASH-TARLE)
                                                                                                                                                                                                                                                                                                                               "limited orthodontic treatment of the adolescent dentition.")
                                                                                                                                    (GETHASH 'D8010 CDT-HASH-IABLE)
"limited orthodontic treatment of the primary dentition.")
                                                                                                                                                                                                                                                                                                                                                                    (SETF (GETHASH 'D8040 CDT-HASH-TABLE)
"limited orthodontic treatment of the adult dentition.")
(SETF (GETHASH 'D8050 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "ana gesia, anxiolysis, inhalation of nitrous oxide.")
(SETF (GETHASH '09241 CDT-HASH-TABLE)
"intravenous sedation/analgesia - first 30 minutes.")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           general anesthesia - each additional 15 minutes.")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "repair of orthodontic appliance. .")
(SETF (GETHASH 'DOES CDT-HASH-TABLE) NIL)
(SETF (GETHASH 'D8692 CDT-HASH-TABLE)
(SETF (GETHASH 'D8692 CDT-HASH-TABLE)

"Unspecified orthodontic procedure, by report.")
(SETF (GETHASH 'D9110 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "non-intravenous conscious sedation.")
(SETF (GETHASH 'D9310 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF (GETHASH 'D9242 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF (GETHASH 'D9221 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF (GETHASH 'D8690 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     'D9230 CDT-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF (ĞETHASH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
```

```
"Office visit - after regularly scheduled hours.")

(SETF (GETHASH 'D9610 CDT-HASH-TABLE)

(SETF (GETHASH 'D9630 CDT-HASH-TABLE)

"Other drugs and/or medicaments, by report.")

(SETF (GETHASH 'D9930 CDT-HASH-TABLE)

"application of desensitizing resin for cervical and/or root surface, per tooth.")

(SETF (GETHASH 'D9930 CDT-HASH-TABLE)

"application of desensitizing resin for cervical and/or root surface, per tooth.")

(SETF (GETHASH 'D9930 CDT-HASH-TABLE)

"Application of desensitizing resin for cervical and/or root surface, per tooth.")

(SETF (GETHASH 'D9930 CDT-HASH-TABLE)

"Treatment of complications (post-surgical) - unusual circumstances, by report.")

(SETF (GETHASH 'D9930 CDT-HASH-TABLE)

"Treatment of complications (post-surgical) - unusual circumstances, by report.")

(SETF (GETHASH 'D9930 CDT-HASH-TABLE)

"CETHASH 'D9930 CDT-HASH-TABLE)

"COCLUSION analysis - mounted case.")

(SETF (GETHASH 'D9930 CDT-HASH-TABLE)

"COCLUSION and logical contradistion of athletic mouthguard.")

(SETF (GETHASH 'D9937 CDT-HASH-TABLE)

"CGTHASH 'D9939 CDT-HASH-TABLE)

"SETF (GETHASH 'D9937 CDT-HASH-TABLE)

"SETF (GETHASH 'D9937 CDT-HASH-TABLE)

"SETF (GETHASH 'D9939 CDT-HASH-TABLE)

"SETF (GETHASH 'D9999 CDT-HASH-TAB
```

;;;icd9-hash-table.lsp

(in-package :common-graphics-user)

(setq icd9-hash-table (make-hash-table :size 10000 :test 'equal))

```
GEFF (GETNASH ""001" ICD9-HSSH-TABLE) "Cholera")

GEFF (GETNASH ""001." ICD9-HSSH-TABLE) "Due to vibrio cholerae")

GEFF (GETNASH ""001." ICD9-HSSH-TABLE) "Due to vibrio cholerae")

GEFF (GETNASH ""001." ICD9-HSSH-TABLE) "Due to vibrio cholerae")

GEFF (GETNASH ""001." ICD9-HSSH-TABLE) "Typhoid dever")

GEFF (GETNASH ""002.) ICD9-HSSH-TABLE) "Typhoid dever")

GEFF (GETNASH ""002.9" ICD9-HSSH-TABLE) "Paratyphoid fever A")

GEFF (GETNASH ""002.9" ICD9-HSSH-TABLE) "Paratyphoid fever A")

GEFF (GETNASH ""002.9" ICD9-HSSH-TABLE) "Paratyphoid fever A")

GEFF (GETNASH ""002.9" ICD9-HSSH-TABLE) "Typhoid dever B")

GEFF (GETNASH ""002.9" ICD9-HSSH-TABLE) "Typhoid fever A")

GEFF (GETNASH ""002.9" ICD9-HSSH-TABLE) "GENERAL BRED "The rall monell la infections")

GEFF (GETNASH ""003.2" ICD9-HSSH-TABLE) "Salmonell a gestricemia")

GEFF (GETNASH ""003.2" ICD9-HSSH-TABLE) "Salmonell a repeticemia")

GEFF (GETNASH ""003.2" ICD9-HSSH-TABLE) "Salmonell a repeticemia")

GEFF (GETNASH ""003.2" ICD9-HSSH-TABLE) "Salmonell a repeticing")

GEFF (GETNASH ""003.2" ICD9-HSSH-TABLE) "Salmonell a stepnitis")

GEFF (GETNASH ""003.2" ICD9-HSSH-TABLE) "Salmonell a stepnitis")

GEFF (GETNASH ""003.2" ICD9-HSSH-TABLE) "Salmonell a stepnitis")

GEFF (GETNASH ""003.4" ICD9-HSSH-TABLE)

GEFF (GETNASH ""003.5" ICD9-HSSH-TABLE)

GEFF (GETNASH ""003.5" ICD9-HSSH-TABLE)

GEFF (GETNASH ""003.5" ICD9
```

```
(SETF (GETMASH "7006.2" LOD9-MASH-TARLE) "Amebic nondysenteric colitis")
(SETF (GETMASH "7006.3" LOD9-MASH-TARLE) "Amebic nondysenteric colitis")
(SETF (GETMASH "7006.4" LOD9-MASH-TARLE) "Amebic nondy abscess")
(SETF (GETMASH "7006.5" LOD9-MASH-TARLE) "Amebic nondy abscess")
(SETF (GETMASH "7006.5" LOD9-MASH-TARLE) "Amebic nondy abscess")
(SETF (GETMASH "7006.5" LOD9-MASH-TARLE) "Amebic nondy abscess")
(SETF (GETMASH "7005.7" LOD9-MASH-TARLE) "Amebic asis")
(SETF (GETMASH "7007.1" LOD9-MASH-TARLE) "Amebic skin ulceration")
(SETF (GETMASH "7007.2" LOD9-MASH-TARLE) "Corptosporidiosis")
(SETF (GETMASH "7007.2" LOD9-MASH-TARLE) "Corptosporidiosis")
(SETF (GETMASH "7007.2" LOD9-MASH-TARLE) "Corptosporidiosis")
(SETF (GETMASH "7007.3" LOD9-MASH-TARLE) "Corptosporidiosis")
(SETF (GETMASH "7008.7" LOD9-MASH-TARLE) "Corptosporidiosis")
(SETF (GETMASH "7008.0" LOD9-MASH-TARLE) "Corptosporidiosis")
(SETF (GETMASH "7008.0" LOD9-MASH-TARLE) "Ecoherichia coli [E. coli")
(SETF (GETMASH "7008.0" LOD9-MASH-TARLE) "Encoheringietie E. coli")
(SETF (GETMASH "7008.0" LOD9-MASH-TARLE) "Charle magnetive bacteria")
(SETF (GETMASH "7008.0" LOD9-MASH-TARLE) "Charle magnetive bacteria")
(SETF (GETMASH "7008.0" LOD9-MASH-TARLE) "Charle magnetive bacteria")
(SETF (GETMASH "7008.4" LOD9-MASH-TARLE) "Charle magnetic and encertitis, unspecified virus")
(SETF (GETMASH "7
```

```
SETE (GETHASH "010.9" ICD9-HASH-TABLE)

"Other primary progressive tuberculosis")

"Primary tuberculous infection, unspecified")

"Primary tuberculous infection, unspecified")

EFF (GETHASH "011.0" ICD9-HASH-TABLE)

"Tuberculosis of lung, infiltrative")

EFF (GETHASH "011.1" ICD9-HASH-TABLE)

"Tuberculosis of lung, infiltration")

EFF (GETHASH "011.2" ICD9-HASH-TABLE)

"Tuberculosis of lung with cavitation")

EFF (GETHASH "011.4" ICD9-HASH-TABLE)

"Tuberculosis of lung with cavitation")

EFF (GETHASH "011.4" ICD9-HASH-TABLE)

"Tuberculous prount a Ind9-HASH-TABLE)

"Tuberculous prount a Ind9-HASH-TABLE)

"Tuberculous prount a Ind9-HASH-TABLE)

"Tuberculous prountonia Ind9-HASH-TABLE)

"Tubercu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The forman control of the following the following the following the following following the following following the following 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Tuberculosis of intestines, peritoneum, and mesenteric glands")
ETF (GETHASH "014.0" ICD9-HASH-TABLE) "Tuberculous peritonitis")
ETF (GETHASH "014.0" ICD9-HASH-TABLE) "Tuberculous peritonitis")
ETF (GETHASH "014.8" ICD9-HASH-TABLE) "Tuberculous peritonitis")
ETF (GETHASH "015." ICD9-HASH-TABLE) "Wire")
ETF (GETHASH "015." ICD9-HASH-TABLE) "Wip")
ETF (GETHASH "015.5" ICD9-HASH-TABLE) "Wip")
ETF (GETHASH "015.5" ICD9-HASH-TABLE) "Wip ")
ETF (GETHASH "015.8" ICD9-HASH-TABLE) "Cher specified bone")
ETF (GETHASH "015.8" ICD9-HASH-TABLE) "Cher specified joint")
ETF (GETHASH "015.8" ICD9-HASH-TABLE) "Cher specified joint")
ETF (GETHASH "015.8" ICD9-HASH-TABLE) "Cher specified joint")
ETF (GETHASH "015.8" ICD9-HASH-TABLE)
ETF (GETHASH "015.9" ICD9-HASH-TABLE)
ETF (GETHASH "015.9" ICD9-HASH-TABLE)
ETF (GETHASH "015.9" ICD9-HASH-TABLE)
ETF (GETHASH "015.9" ICD9-HASH-TABLE)
ETF (GETHASH "016.9" ICD9-HASH-TABLE)
"Diarrhea of presumed infectious origin")
(GETHASH "010" ICD9-HASH-TABLE) "Primary tuberculous infection")
(GETHASH "010.0" ICD9-HASH-TABLE) "Primary tuberculous infection")
(GETHASH "010.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Tuberculosis of meninges and central nervous system")
(GETHASH "013.0" ICO9-HASH-TABLE) "Tuberculous meningitis")
(GETHASH "013.1" ICO9-HASH-TABLE) "Tuberculoma of meninges")
(GETHASH "013.2" ICO9-HASH-TABLE) "Tuberculoma of prain")
(GETHASH "013.4" ICO9-HASH-TABLE) "Tuberculoma of brain")
(GETHASH "013.4" ICO9-HASH-TABLE) "Tuberculoma of spinal cord")
                                                                                                                                                                                                                              "Tuberculous pleurisy in primary progressive tuberculosis")
(SETF (GETHASH ""010.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Other specified tuberculosis of central nervous system") (GETHASH "7013.9" LOD9-HASH-TABLE)
"Unspecified tuberculosis of central nervous system") (GETHASH "014" ICO9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Other specified pulmonary tuberculosis")
(SETF (GETHASH ""011.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Tuberculous encephalitis or myelitis")
(SETF (GETHASH ""013.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             'Tuberculous abscess of spinal cord")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF (GETHASH '"013.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF (GETHASH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                             (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
```

(SETF

```
(SETE (GTMAS) "1016," 1009-MSN-TARLD" Windder")
(SETE (GTMAS) "1016," 1009-MSN-TARLD" Windder")
(SETE (GTMAS) "1016," 1009-MSN-TARLD" Untert urinary organs")
(SETE (GTMAS) "1016," 1009-MSN-TARLD" Upitidewin's")
(SETE (GTMAS) "1016," 1009-MSN-TARLD" Upitide genital organs")
(SETE (GTMAS) "1016," 1009-MSN-TARLD" Upitide genital organs")
(SETE (GTMAS) "1016," 1009-MSN-TARLD" Upitide genital organs")
(SETE (GTMAS) "1017," 1009-MSN-TARLD" "100-MSN-TARLD" "100
```

```
SET (GETHASH "033.0" ICD9-HASH-TABLE)
"Whooping cough due to other specified organism")
SET (GETHASH "033.9" ICD9-HASH-TABLE)
"Whooping cough, unspecified organism")
SET (GETHASH "034.1" ICD9-HASH-TABLE)
SETF (GETHASH "034.1" ICD9-HASH-TABLE) "Streptococcal sore throat and scarlet fever")
SETF (GETHASH "034.1" ICD9-HASH-TABLE) "Streptococcal sore throat")
SETF (GETHASH "035.1" ICD9-HASH-TABLE) "Meningococcal infection")
SETF (GETHASH "036.0" ICD9-HASH-TABLE) "Meningococcal meningitis")
SETF (GETHASH "036.1" ICD9-HASH-TABLE) "Meningococcal meningitis")
SETF (GETHASH "036.2" ICD9-HASH-TABLE) "Meningococcal encephalitis")
SETF (GETHASH "036.2" ICD9-HASH-TABLE) "Meningococcal encephalitis")
SETF (GETHASH "036.2" ICD9-HASH-TABLE) "Meningococcal encephalitis")
SETF (GETHASH "036.3" ICD9-HASH-TABLE) "Meningococcal encephalitis")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TET (CETHASH "031.9 LOD9-HASH-TABLE) "Diphtheria")

ETF (CETHASH "032.0 ICD9-HASH-TABLE) "Diphtheria")

ETF (CETHASH "032.0 ICD9-HASH-TABLE) "Suphtheria")

ETF (CETHASH "032.1 ICD9-HASH-TABLE) "Raucial diphtheria")

ETF (CETHASH "032.2" ICD9-HASH-TABLE) "Nasopharyngeal diphtheria")

ETF (CETHASH "032.3" ICD9-HASH-TABLE) "Anterior nasal diphtheria")

ETF (CETHASH "032.8" ICD9-HASH-TABLE) "Conjunctival diphtheria")

ETF (CETHASH "032.82" ICD9-HASH-TABLE) "Diphtheritic peritonitis")

ETF (CETHASH "032.83" ICD9-HASH-TABLE) "Diphtheritic peritonitis")

ETF (CETHASH "032.83" ICD9-HASH-TABLE) "Diphtheritic cystitis")

ETF (CETHASH "032.89" ICD9-HASH-TABLE) "Cutaneous diphtheria")

ETF (CETHASH "032.99" ICD9-HASH-TABLE) "Cutaneous diphtheria")

ETF (CETHASH "032.99" ICD9-HASH-TABLE) "Obphtheritic nuspecified")

ETF (CETHASH "032.99" ICD9-HASH-TABLE) "Diphtheritic nuspecified")

ETF (CETHASH "033.90" ICD9-HASH-TABLE) "Mhoping cough")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Waterhouse Friderichsen syndrome, meningococcal" (GETHASH "036.4" ICD9-HASH-TABLE) "Meningococcal carditis") (GETHASH "036.40" ICD9-HASH-TABLE) "Meningococcal carditis, unspecified") (GETHASH "036.41" ICD9-HASH-TABLE) "Meningococcal pericarditis") (GETHASH "036.42" ICD9-HASH-TABLE) "Meningococcal endocarditis") (GETHASH "036.43" ICD9-HASH-TABLE) "Meningococcal endocarditis")
                                                                                                                                                                                                                                                                                ETF (GETHASH "030" ILD9-HASH-TABLE) "Leprosy")

ETF (GETHASH "030" ILD9-HASH-TABLE) "Lepromatous [type L]")

ETF (GETHASH "030.0" ILD9-HASH-TABLE) "Lepromatous [type L]")

ETF (GETHASH "030.1" ILD9-HASH-TABLE) "Luberculoid [type T]")

ETF (GETHASH "030.2" ILD9-HASH-TABLE) "Indereminate [group I]")

ETF (GETHASH "030.3" ILD9-HASH-TABLE) "Rorderline [group B]")

ETF (GETHASH "030.9" ILD9-HASH-TABLE) "Chter specified leprosy")

ETF (GETHASH "031" ILD9-HASH-TABLE) "Leprosy, unspecified")

ETF (GETHASH "031." ILD9-HASH-TABLE) "Lulmonary")

ETF (GETHASH "031.1" ILD9-HASH-TABLE) "Cutaneous")

ETF (GETHASH "031.1" ILD9-HASH-TABLE) "Cutaneous")

ETF (GETHASH "031.1" ILD9-HASH-TABLE) "Graminated")

ETF (GETHASH "031.9" ILD9-HASH-TABLE) "Graminated")

ETF (GETHASH "031.9" ILD9-HASH-TABLE) "Graminated")

ETF (GETHASH "031.9" ILD9-HASH-TABLE) "Cutaneous")

ETF (GETHASH "031.9" ILD9-HASH-TABLE) "Graminated")

ETF (GETHASH "031.9" ILD9-HASH-TABLE) "Cutaneous")
(GETHASH ""026.9" ICD9-HASH-TABLE) "Unspecified rat-bite fever") (GETHASH ""027" ICD9-HASH-TABLE) ""Other zoonotic bacterial diseases") (GETHASH ""027.0" ICD9-HASH-TABLE) "Listeriosis") (GETHASH ""027.1" ICD9-HASH-TABLE) "Erysipelothrix infection") (GETHASH ""027.2" ICD9-HASH-TABLE) "Pasteurellosis") (GETHASH ""027.8" ICD9-HASH-TABLE) "Pasteurellosis")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Bordetella pertussis [B. pertussis]")
(GETHASH "033.1" 1CD9+MASH-TABLE)
"Bordetella parapertussis [B. parapertussis]")
(GETHASH "033.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                    "Other specified zoonotic bacterial diseases") (GETHASH ""027.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ".036.8" ICD9~HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GETHASH
(GETHASH
(GETHASH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
(SETF
(SETF
(SETF
                                                                                                   (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                           (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
```

```
SET CETMASH "1036.28" ICOPASH-TABLE "Nemingococcal arthropathy")

(SET CETMASH "1036.28" ICOPASH-TABLE "Nemingococcal arthropathy")

(SET CETMASH "1036.28" ICOPASH-TABLE "Nemingococcal arthropathy")

(SET CETMASH "1036.39" ICOPASH-TABLE "Nemingococcal arthropathy")

(SET CETMASH "1036.39" ICOPASH-TABLE "Nemingococcal arthropathy")

(SET CETMASH "1036.70 ICOPASH-TABLE "Nemingococcal arthropathy")

(SET CETMASH "1038.70 ICOPASH-TABLE "STAPPLY "Nemingococcal septicemia")

(SET CETMASH "1038.70 ICOPASH-TABLE "STAPPLY "STAPP
```

```
(SETF (GETHASH "046.2" ICD9-HASH-TABLE)

(SETF (GETHASH "046.3" ICD9-HASH-TABLE)

(SETF (GETHASH "046.8" ICD9-HASH-TABLE)

"Subacute sclerosing panencephalitis")

(SETF (GETHASH "046.8" ICD9-HASH-TABLE)
"Orther specified slow virus infection of central nervous system")

(SETF (GETHASH "046.9" ICD9-HASH-TABLE)
"Unspecified slow virus infection of central nervous system")

(SETF (GETHASH "047.0" ICD9-HASH-TABLE) "Coxaackie virus")

(SETF (GETHASH "047.1" ICD9-HASH-TABLE) "Coxaackie virus")

(SETF (GETHASH "047.8" ICD9-HASH-TABLE) "Coxaackie virus")

(SETF (GETHASH "047.9" ICD9-HASH-TABLE) "Coxaackie virus")

(SETF (GETHASH "047.9" ICD9-HASH-TABLE) "Unspecified viral meningitis")

(SETF (GETHASH "049.1" ICD9-HASH-TABLE)
"Other specified on-arthropod-borne viral diseases of central nervous system")

(SETF (GETHASH "049.9" ICD9-HASH-TABLE) "Unspecified viral nervous system")

(SETF (GETHASH "049.1" ICD9-HASH-TABLE) "Meningitis due to adenovirus")

(SETF (GETHASH "049.9" ICD9-HASH-TABLE) "Meningitis due to adenovirus")

(SETF (GETHASH "049.0" ICD9-HASH-TABLE) "Meningitis due to adenovirus")

(SETF (GETHASH "049.9" ICD9-HASH-TABLE) "Meningitis due to adenovirus")

(SETF (GETHASH "050.1" ICD9-HASH-TABLE) "Meningitis due to adenovir
                                                                                                                                                                                                                                                                                                                                                                                                   "Other gram-negative organisms")
(GETHASH ""041.86" ICD9-HASH-TABLE)
"Helicobacter pyloni (H. pyloni")")
(GETHASH ""041.89" ICD9-HASH-TABLE) "Other specified bacteria")
(GETHASH ""041.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Slow virus infection of central nervous system")
(GETHASH "0046.0" ICD9-HASH-TABLE) "Kuru")
(GETHASH "1046.1" ICD9-HASH-TABLE) "Jakob-Creutzfeldt disease")
(GETHASH "1046.2" ICD9-HASH-TABLE)
                                                                                                                                                   "Other specified bacterial infections")
(GETHASH "041.81" ICD9-HASH-TABLE) "Mycoplasma")
(GETHASH "041.82" ICD9-HASH-TABLE) "Bacillus fragilis")
(GETHASH "041.83" ICD9-HASH-TABLE) "Clostridium perfringens")
(GETHASH "041.84" ICD9-HASH-TABLE) "Other anaerobes")
(GETHASH "041.85" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Bacterial infection, unspecified")
(GETHASH "1042" ICD9-HASH-TABLE)
"Human immunodeficiency virus [HIV] disease")
(GETHASH "1045" ICD9-HASH-TABLE) "Acute poliomyelitis")
(GETHASH "1045,0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF (GETHASH "045.1" ICD9-HASH-TABLE)
"Acute paralytic poliomyelitis specified as bulbar")
(SETF (GETHASH "045.1" ICD9-HASH-TABLE)
"Acute nonparalytic poliomyelitis")
(SETF (GETHASH "045.2" ICD9-HASH-TABLE)
"Acute nonparalytic poliomyelitis")
(SETF (GETHASH "045.2" ICD9-HASH-TABLE)
"Acute poliomyelitis, unspecified")
(SETF (GETHASH "046" ICD9-HASH-TABLE)
                                 "Proteus (mirabilis) (morganii)")
(GETHASH "041.7" ICD9-HASH-TABLE) "Pseudomonas")
(GETHASH "041.8" ICD9-HASH-TABLE)
(GETHASH '"041.6" ICD9-HASH-TABLE)
                                                                                (SETF )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
(SETF
(SETF
        (SETF
                                                                                                                                                                                                      (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
```

```
"Herpes zoster without mention of complication")

ETF (GETHASH ""054" ICD9-HASH-TABLE) "Herpes simplex")

ETF (GETHASH ""054" ICD9-HASH-TABLE) "Eczema herpeticum")

ETF (GETHASH ""054.10" ICD9-HASH-TABLE) "Genital herpes, unspecified")

ETF (GETHASH ""054.10" ICD9-HASH-TABLE) "Genital herpes, unspecified")

ETF (GETHASH ""054.10" ICD9-HASH-TABLE) "Herpetic ulceration of vulva")

ETF (GETHASH ""054.11" ICD9-HASH-TABLE) "Herpetic ulceration of vulva")

ETF (GETHASH ""054.11" ICD9-HASH-TABLE) "Herpetic infection of penis")

ETF (GETHASH ""054.11" ICD9-HASH-TABLE) "Herpetic gingivostomatitis")

ETF (GETHASH ""054.2" ICD9-HASH-TABLE) "Herpetic meningoencephalitis")

ETF (GETHASH ""054.4" ICD9-HASH-TABLE) "Herpetic meningoencephalitis")

ETF (GETHASH ""054.4" ICD9-HASH-TABLE) "Herpetic meningoencephalitis")

ETF (GETHASH ""054.4" ICD9-HASH-TABLE) "Herpetic meningoencephalitis")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "With unspecified nervous system complication")

ETF (GETHASH "053.11" ICD9-HASH-TABLE) "Geniculate herpes zoster")

ETF (GETHASH "053.12" ICD9-HASH-TABLE)

ETF (GETHASH "053.13" ICD9-HASH-TABLE)

ETF (GETHASH "053.13" ICD9-HASH-TABLE) "Other")

ETF (GETHASH "053.13" ICD9-HASH-TABLE) "Other")

ETF (GETHASH "053.20" ICD9-HASH-TABLE) "With ophthalmic complications")

ETF (GETHASH "053.20" ICD9-HASH-TABLE)

"Herpes zoster dermattis of eyelid")

ETF (GETHASH "053.21" ICD9-HASH-TABLE)

"Herpes zoster keratoconjunctivitis")

ETF (GETHASH "053.22" ICD9-HASH-TABLE)

"Herpes zoster (BTGD9-HASH-TABLE)

"Herpes zos
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Herpes simplex dermatitis of eyelid")

(SETF (GETHASH "054.42" ICD9-HASH-TABLE) "Dendritic keratitis")

(SETF (GETHASH "054.43" ICD9-HASH-TABLE)

(SETF (GETHASH "054.44" ICD9-HASH-TABLE)

"Herpes simplex dissiform keratitis")

(SETF (GETHASH "054.44" ICD9-HASH-TABLE) "Herpes simplex iridocyclitis")

(SETF (GETHASH "054.9" ICD9-HASH-TABLE) "Herpetic septicemia")

(SETF (GETHASH "054.5" ICD9-HASH-TABLE) "Herpetic whitlow")

(SETF (GETHASH "054.7" ICD9-HASH-TABLE) "Herpetic whitlow")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Otitis externa due to herpes zoster")
GETHASH "'053.79" ICD9-HASH-TABLE) "Other")
(GETHASH "'053.8" ICD9-HASH-TABLE) "With unspecified complication")
(GETHASH "'053.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Herpes simplex otitis externa")
(SETF (GETHASH '"054.79" ICD9-HASH-TABLE) "Other")
(SETF (GETHASH '"054.8" ICD9-HASH-TABLE) "With unspecified complication")
                                                                                                                                                                                                     "With other specified complications."

(GETHASH "052.8" ICD9-HASH-TABLE) "With unspecified complication.")

(GETHASH "052.9" ICD9-HASH-TABLE)

"Varicella without mention of complication.")

(GETHASH "053." ICD9-HASH-TABLE) "Herpes zoster.")

(GETHASH "053." ICD9-HASH-TABLE) "Herpes Zoster.")

(GETHASH "053.1" ICD9-HASH-TABLE) "With meningitis.")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "With other specified complications")
(GETHASH '"054.71" ICD9-HASH-TABLE) "Visceral herpes simplex")
(GETHASH '"054.72" ICD9-HASH-TABLE) "Herpes simplex meningitis")
(GETHASH '"054.73" ICD9-HASH-TABLE)
                            CGETHASH ""052. "ICD9-HASH-TABLE) "POSTVATICE11a encephalitis")
(GETHASH ""052.1" ICD9-HASH-TABLE)
"Varice11a (Hemorrhagic) promeumonitis")
(GETHASH ""052.7" ICD9-HASH-TABLE)
(GETHASH '"052" ICD9-HASH-TABLE) "Chickenpox")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "With unspecified ophthalmic complication")
(GETHASH '"054.41" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "With other nervous system complications")
(GETHASH '"053.10" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "With other specified complications")
(GETHASH "053,71" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                                                                                                                  (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
                                                                                                                                                                              (SETF
```

```
THE CETHASH "057.9" ICD9-HSSH-TABLE) "Viral exanthem, unspecified")

EIF (GETHASH "060.0" ICD9-HASH-TABLE) "Viral exanthem, unspecified")

EIF (GETHASH "060.0" ICD9-HASH-TABLE) "Sylvatic")

EIF (GETHASH "060.0" ICD9-HASH-TABLE) "Sylvatic")

EIF (GETHASH "060.1" ICD9-HASH-TABLE) "Pallow fever, unspecified")

EIF (GETHASH "061.0" ICD9-HASH-TABLE) "Mosquito-bonne viral encephalitis")

EIF (GETHASH "062.0" ICD9-HASH-TABLE) "Mestern equine encephalitis")

EIF (GETHASH "062.1" ICD9-HASH-TABLE) "Western equine encephalitis")

EIF (GETHASH "062.2" ICD9-HASH-TABLE) "Eastern equine encephalitis")

EIF (GETHASH "062.3" ICD9-HASH-TABLE) "Australian encephalitis")

EIF (GETHASH "062.3" ICD9-HASH-TABLE) "Carlefornia virus encephalitis")

EIF (GETHASH "062.3" ICD9-HASH-TABLE) "California virus encephalitis")

EIF (GETHASH "062.3" ICD9-HASH-TABLE) "Australian encephalitis")

EIF (GETHASH "062.9" ICD9-HASH-TABLE) "Eastern equine encephalitis")
                                                                                                                                              EFF (GETHASH "1053.0" LOG9-HASH-TABLE) "Reasles encephalitis")
EFF (GETHASH "1055.0" ICO9-HASH-TABLE) "Postmeasles encephalitis")
EFF (GETHASH "1055.1" ICO9-HASH-TABLE) "Postmeasles pneumonia")
EFF (GETHASH "1055.1" ICO9-HASH-TABLE) "Postmeasles otitis media")
EFF (GETHASH "1055.7" ICO9-HASH-TABLE) "Measles keratoconjunctivitis")
EFF (GETHASH "1055.7" ICO9-HASH-TABLE) "Measles keratoconjunctivitis")
EFF (GETHASH "1055.8" ICO9-HASH-TABLE) "With unspecified complication")
EFF (GETHASH "1055.9" ICO9-HASH-TABLE) "With unspecified complication")
EFF (GETHASH "1056.9" ICO9-HASH-TABLE) "Rubella")
EFF (GETHASH "1056.0" ICO9-HASH-TABLE) "Rubella")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Viral encephalitis transmitted by other and unspecified arthropods")
(GETHASH '"065" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Russian spring-summer [taiga] encephalitis")
(SETF (GETHASH ""063.1" ICD9-HASH-TABLE) "Louping ill")
(SETF (GETHASH ""063.2" ICD9-HASH-TABLE) "Central European encephalitis")
(SETF (GETHASH ""063.2" ICD9-HASH-TABLE)
"Other specified tick-borne viral encephalitis")
(SETF (GETHASH ""063.9" ICD9-HASH-TABLE)
"Tick-borne viral encephalitis, unspecified")
(SETF (GETHASH ""064." ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "With other specified complications")
(SETF (GETHASH "1056.71" ICD9-HASH-TABLE) "Arthritis due to rubella")
(SETF (GETHASH "1056.79" ICD9-HASH-TABLE) "Other")
(SETF (GETHASH "1056.8" ICD9-HASH-TABLE)
"With unspecified complications")
(SETF (GETHASH "1056.9" ICD9-HASH-TABLE)
"Rubella without mention of complication")
(SETF (GETHASH "1057" ICD9-HASH-TABLE)
"Erythema infectiosum [fifth disease]")
(SETF (GETHASH "1057.8" ICD9-HASH-TABLE)
"Erythema infectiosum [fifth disease]")
                                           "Herpes simplex without mention of complication")
(GETHASH '"055" ICD9-HASH-TABLE) "Measles")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "With unspecified neurological complication")
(GETHASH "056.01" ICD9-HASH-TABLE)
"Encephalomyellits due to rubella")
(GETHASH "056.09" ICD9-HASH-TABLE) "Other")
(GETHASH "056.7" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Arthropod-borne hemorrhagic fever") (SETF (GETHASH ""065.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "With neurological complications") (SETF (GETHASH ""056.00" ICD9-HASH-TABLE)
(GETHASH '"054.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF (GETHASH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SETF (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SETF
SETF
SETF
SETF
SETF
SETF
SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
(SETF
(SETF
                                                                                                               (SETF
                                                                                                                                                                       SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
```

```
CEFF (CETMASH "065.1 ICO9-MASH-TABLE) "Gusk henorrhagic fever")

(SEFF (CETMASH "065.2 ICO9-MASH-TABLE) "Gusk henorrhagic fever")

(SEFF (CETMASH "065.3 ICO9-MASH-TABLE) "Helbotomes fever")

(SEFF (CETMASH "065.9 ICO9-MASH-TABLE) "Helbotomes fever")

(SEFF (CETMASH "066.9 ICO9-MASH-TABLE) "Helbotomes fever")

(SEFF (CETMASH "070.0 ICO9-MASH-TABLE) "Helbotomes fever helbottic coma")

(SEFF (CETMASH "070.0 ICO9-MASH-TABLE) "Helbotomes fever helbottic coma")

(SEFF (CETMASH "070.0 ICO9-MASH-TABLE) "Helbottic coma")

(SEFF (CETMASH "0
```

```
"CHETASH "078.0" ICD9-HASH-TABLE)" (CETHASH "078.0" ICD9-HASH-TABLE)" (Molluscum contagiosum")

ETF (CETHASH "078.0" ICD9-HASH-TABLE) "Wiral warts")

ETF (CETHASH "078.10" ICD9-HASH-TABLE) "Wiral warts", unspecified")

ETF (CETHASH "078.11" ICD9-HASH-TABLE) "Other specified viral warts")

ETF (CETHASH "078.12" ICD9-HASH-TABLE) "Other specified viral warts")

ETF (CETHASH "078.2" ICD9-HASH-TABLE) "Sweating fever")

ETF (CETHASH "078.3" ICD9-HASH-TABLE) "Foot and mouth disease")

ETF (CETHASH "078.5" ICD9-HASH-TABLE) "Foot and mouth disease")

ETF (CETHASH "078.5" ICD9-HASH-TABLE) "Hemorrhagic nephrosonephritis")

ETF (CETHASH "078.5" ICD9-HASH-TABLE) "Arenaviral hemorrhagic fever")

ETF (CETHASH "078.8" ICD9-HASH-TABLE) "Arenaviral hemorrhagic fever")

ETF (CETHASH "078.8" ICD9-HASH-TABLE) "Prod and Chlamydiae")

ETF (CETHASH "078.8" ICD9-HASH-TABLE) "Epidemic vertigo")

ETF (CETHASH "078.8" ICD9-HASH-TABLE) "Epidemic vertigo")
ETF (GETHASH ""072.71" ICD9-HASH-TABLE) "Mumps hepatitis")

ETF (GETHASH ""072.72" ICD9-HASH-TABLE) "Mumps polyneuropathy")

ETF (GETHASH "072.72" ICD9-HASH-TABLE) "Mumps polyneuropathy")

ETF (GETHASH "072.8" ICD9-HASH-TABLE) "Wumps with unspecified complication")

ETF (GETHASH "072.9" ICD9-HASH-TABLE) "Mumps without mention of complication")

ETF (GETHASH "073.0" ICD9-HASH-TABLE) "Ornithosis")

ETF (GETHASH "073.0" ICD9-HASH-TABLE) "With pneumonia")

ETF (GETHASH "073.0" ICD9-HASH-TABLE) "With chher specified complications")

ETF (GETHASH "073.9" ICD9-HASH-TABLE) "With unspecified complication")

ETF (GETHASH "073.9" ICD9-HASH-TABLE) "With unspecified")

ETF (GETHASH "073.9" ICD9-HASH-TABLE) "With unspecified")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Unspecified diseases of conjunctive due to viruses and Chlamydiae") (SETF (GETHASH "077.98" ICD9-HASH-TABLE) "Due to Chlamydiae") (SETF (GETHASH "077.99" ICD9-HASH-TABLE) "Due to viruses") (SETF (GETHASH "078" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Coxsackie carditis, unspecified")
(GETHASH "074.21" ICD9-HASH-TABLE) "Coxsackie pericarditis")
(GETHASH "074.22" ICD9-HASH-TABLE) "Coxsackie endocarditis")
(GETHASH "074.23" ICD9-HASH-TABLE) "Coxsackie myocarditis")
(GETHASH "074.31" ICD9-HASH-TABLE) "Hand, foot, and mouth disease")
(GETHASH "074.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF (GETHASH "077.0" ICD9-HASH-TABLE) "Inclusion conjunctivitis")
(SETF (GETHASH "077.0" ICD9-HASH-TABLE) "Epidemic keratoconjunctivitis")
(SETF (GETHASH "077.1" ICD9-HASH-TABLE) "Epidemic keratoconjunctivitis")
(SETF (GETHASH "077.2" ICD9-HASH-TABLE) "Pharyngoconjunctival fever")
(SETF (GETHASH "077.3" ICD9-HASH-TABLE)
"Other adenoviral conjunctivitis")
(SETF (GETHASH "077.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Epidemic hemorrhagic conjunctivitis")
(GETHASH "077.8" ICD9-HASH-TABLE) "Other viral conjunctivitis")
(GETHASH "077.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Other specified diseases due to Coxsackie virus")
(GETHASH "075" ICD9-HASH-TABLE) "Infectious mononucleosis")
(GETHASH "076. ICD9-HASH-TABLE) "Trachoma")
(GETHASH "076.0" ICD9-HASH-TABLE) "Infial stage")
(GETHASH "076.0" ICD9-HASH-TABLE) "Active stage")
(GETHASH "076.9" ICD9-HASH-TABLE) "Trachoma, unspecified")
(GETHASH "077" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Specific diseases due to Coxsackie virus")
(GETHASH "074.0" ICD9-HASH-TABLE) "Herpangina")
(GETHASH "074.1" ICD9-HASH-TABLE) "Epidemic pleurodynia")
(GETHASH "074.2" ICD9-HASH-TABLE) "Coxsackie carditis")
(GETHASH "074.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              specified diseases due to Chlamydiae")
SH '"078.89" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF (GETHASH '
(SETF (GETHASH '
(SETF (GETHASH '
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
(SETF
                                                                                                                                                                                     (SETF
                                                                                                                                                                                                                                                     (SETF
                                                                                                                                                                                                                                                                                  (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                  (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
(SETF
(SETF
(SETF
```

(SETF (GETHASH '"078.89" ICD9-HASH-TABLE)
"Other specified diseases due to viruses")

"Other

```
"Viral and chlamydial infection in conditions classified elsewhere and of unspecified site")

(GETHASH "079.0" ICD9-HASH-TABLE) "Adenovirus")

(GETHASH "079.1" ICD9-HASH-TABLE) "ECHO virus")

(GETHASH "079.2" ICD9-HASH-TABLE) "Coxsackie virus")

(GETHASH "079.3" ICD9-HASH-TABLE) "Rhinovirus")

(GETHASH "079.3" ICD9-HASH-TABLE) "Rhinovirus")

(GETHASH "079.3" ICD9-HASH-TABLE) "Retrovirus")

(GETHASH "079.50" ICD9-HASH-TABLE) "Retrovirus, unspecified")

(GETHASH "079.50" ICD9-HASH-TABLE) "Retrovirus, unspecified")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SET (GETHASH "079.5" ICD9-HASH-TABLE)

"Respiratory Syncytial virus (RSV)")

"Respiratory Syncytial virus (RSV)")

"Other specified viral and chlamydial infections")

"Other specified viral and chlamydial infections")

SET (GETHASH "079.58" ICD9-HASH-TABLE)

"Other specified viral infection")

"Other specified viral and chlamydial infections")

"Other specified viral and chlamydial infections")

"Other specified viral infection")

"SET (GETHASH "079.9" ICD9-HASH-TABLE)

"Unspecified viral infection")

SET (GETHASH "081." ICD9-HASH-TABLE)

"SET (GETHASH "082." ICD9-HASH-TABLE)

"Other specified tick-borne rickettsioses")

"SET (GETHASH "082." ICD9-HASH-TABLE)

"Other specified tick-borne rickettsioses")

"SET (GETHASH "082." ICD9-HASH-TABLE)

"Other specified tick-borne rickettsioses")

"SET (GETHASH "082.9" ICD9-HASH-TABLE)

"Other specified tick-borne rickettsioses")

"SET (GETHASH "083.9" ICD9-HASH-TABLE)

"Other specified tick-borne rickettsioses")

"SET (GETHASH "083.9" ICD9-HASH-TABLE)

"Other specified tick-borne rickettsioses.")

"SET (GETHASH "083.8" ICD9-HASH-TABLE)

"Other specified tick-borne rickettsioses.")

"SET (GETHASH "083.8" ICD9-HASH-TABLE)

"Other specified tick-borne rickettsioses.")

"SET (GETHASH "084." ICD9-HASH-TABLE)

"Andread malaria"

"SET (GETHASH "084." ICD9-HASH-TABLE)

"Andread malaria"

"SET (GETHASH "084.8" ICD9-HASH-TABLE)

"Andread malaria"

"SET (GETHASH "084.8" ICD9-HASH-TABLE)

"SET (GETHASH "084.8" ICD9-HASH-T
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Human T-cell Tymphotrophic virus, type II [HTLV-II]")
(GETHASH "079.53" ICD9-HASH-TABLE)
Human immunodefficiency virus, type 2 [HIV-2]")
(GETHASH "079.59" ICD9-HASH-TABLE)
(GETHASH "079.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF (GETHASH ""085" ICD9-HASH-TABLE) "Leishmaniasis")
(SETF (GETHASH ""085" ICD9-HASH-TABLE) "Visceral [kala-azar]")
                                                                                                                                                                                                                                                                                                                                                                                                                                         "Human T-cell lymphotrophic virus, type I [HTLV-I]") (SETF (GETHASH '"079.52" ICD9-HASH-TABLE)
(GETHASH '"079" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF.
                                                                                                                              SETF
SETF
SETF
SETF
SETF
SETF
SETF
SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
                                                                                        (SETF
```

```
THE TENDENCY OF TOP-HASH-TABLE)

THE (GETHASH "086.9" ICD9-HASH-TABLE) "Trypanosomiasis, unspecified")

SETE (GETHASH "086.9" ICD9-HASH-TABLE) "Relapsing fever")

SETE (GETHASH "087.0" ICD9-HASH-TABLE) "Relapsing fever")

SETE (GETHASH "087.0" ICD9-HASH-TABLE) "Relapsing fever")

SETE (GETHASH "087.0" ICD9-HASH-TABLE) "Relapsing fever, unspecified")

SETE (GETHASH "088.0" ICD9-HASH-TABLE) "CORPASING Rever, unspecified")

SETE (GETHASH "088.0" ICD9-HASH-TABLE) "CORPASING REVER, "088.0" ICD9-HASH-TABLE) "CORPASING RESSEN")

SETE (GETHASH "088.8" ICD9-HASH-TABLE) "CORPASING RESSEN")

SETE (GETHASH "088.8" ICD9-HASH-TABLE) "CORPASING RESSEN")

SETE (GETHASH "088.9" ICD9-HASH-TABLE) "CORPASING RETRY (GETHASH "090.0" ICD9-HASH-TABLE) "CORPASING RETRY (GETHASH "090.0" ICD9-HASH-TABLE)

"Early congenital syphilis, symptomatic")

SETE (GETHASH "090.2" ICD9-HASH-TABLE)

"Early congenital syphilis, latent")

SETE (GETHASH "090.1" ICD9-HASH-TABLE)

"Syphilitic interstitial keratitis")

SETE (GETHASH "090.4" ICD9-HASH-TABLE)

"Syphilitic interstitial keratitis")

SETE (GETHASH "090.9" ICD9-HASH-TABLE)

"Syphilitic interstitial keratitis")

SETE (GETHASH "090.9" ICD9-HASH-TABLE)

"Syphilitic interstitial keratitis")

SETE (GETHASH "090.9" ICD9-HASH-TABLE)

"Syphilitic interstitial keratitis")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CONGENTIAL SYPHILIST CHECKED CENTED AND CELL AND
EFF (GETHASH ""085.1" ICD9-HASH-TABLE) "Cutaneous, urban")
EFF (GETHASH ""085.2" ICD9-HASH-TABLE) "Cutaneous, Asian desert")
EFF (GETHASH ""085.3" ICD9-HASH-TABLE) "Cutaneous, Effitogian")
EFF (GETHASH ""085.5" ICD9-HASH-TABLE) "Cutaneous, American")
EFF (GETHASH ""085.5" ICD9-HASH-TABLE) "Wucocutaneous (American")
EFF (GETHASH ""085.5" ICD9-HASH-TABLE) "Leishmaniasis, unspecified")
EFF (GETHASH ""086.1" ICD9-HASH-TABLE) "Typanosomiasis")
EFF (GETHASH ""086.1" ICD9-HASH-TABLE) "Chagas disease with heart involvement")
EFF (GETHASH ""086.2" ICD9-HASH-TABLE)
Chagas disease without mention of organ involvement")
EFF (GETHASH ""086.2" ICD9-HASH-TABLE)
EFF (GETHASH ""086.3" ICD9-HASH-TABLE)
EFF (GETHASH ""086.3" ICD9-HASH-TABLE)
EFF (GETHASH ""086.3" ICD9-HASH-TABLE)
EFF (GETHASH ""086.3" ICD9-HASH-TABLE) "Gambian trypanosomiasis")
EFF (GETHASH ""086.3" ICD9-HASH-TABLE) "Rhodesian trypanosomiasis")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF (GETHASH "1991.4" ICD9-HASH-TABLE)
"Secondary syphils of skin or mucous membranes")
(SETF (GETHASH "1991.4" ICD9-HASH-TABLE)
"Adenpathy due to secondary syphils")
(SETF (GETHASH "1991.5" ICD9-HASH-TABLE)
"Uveitis due to secondary syphilis")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
                    SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
```

```
(SETF (GETHASH "091.52" ICD9-HASH-TABLE)

(SETF (GETHASH "091.52" ICD9-HASH-TABLE)

"Syphilitic uridocyclitis (secondary)")

(SETF (GETHASH "091.61" ICD9-HASH-TABLE)

"Secondary syphilis of viscera and bone")

(SETF (GETHASH "091.61" ICD9-HASH-TABLE)

"Secondary syphilitic periositis")

(SETF (GETHASH "091.62" ICD9-HASH-TABLE)

"Secondary syphilitic periositis")

(SETF (GETHASH "091.62" ICD9-HASH-TABLE)

(SETF (GETHASH "091.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Cardiovascular syphilis, unspecified")
(GETHASH "094." ICD9-HASH-TABLE) "Neurosyphilis")
(GETHASH "094.0" ICD9-HASH-TABLE) "Tabes dorsalis")
(GETHASH "094.1" ICD9-HASH-TABLE) "General paresis")
(GETHASH "094.3" ICD9-HASH-TABLE) "Syphilitic meningitis")
(GETHASH "094.3" ICD9-HASH-TABLE) "Syphilitic meningitis")
(GETHASH "094.8" ICD9-HASH-TABLE) "Symptomatic neurosyphilis")
(GETHASH "094.8" ICD9-HASH-TABLE) "Syphilitic encephalitis")
(GETHASH "094.8" ICD9-HASH-TABLE) "Syphilitic parkinsonism")
(GETHASH "094.83" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Syphilitic retrobulbar neuritis")
(GETHASH ""094.86" ICD9-HASH-TABLE) "Syphilitic acoustic neuritis")
(GETHASH ""094.87" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Syphilitic ruptured cerebral aneurysm")
(GETHASH "'094.89" ICD9-HASH-TABLE) "Other")
(GETHASH "'094.9" ICD9-HASH-TABLE) "Neurosyphilis, unspecified")
(GETHASH "'095" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Syphilitic disseminated retinochoroiditis")
(GETHASH "094.84" ICD9-HASH-TABLE) "Syphilitic optic atrophy")
(GETHASH "094.85" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Other specified cardiovascular syphilis")
(GETHASH "1093.81" ICD9-HASH-TABLE) "Syphilitic pericarditis")
(GETHASH "1093.82" ICD9-HASH-TABLE) "Syphilitic myocarditis")
(GETHASH "1093.89" ICD9-HASH-TABLE) "Other")
(GETHASH "1093.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF (GETHASH "1092" LZOS-TABLE)
(SETF (GETHASH "1092" ICD9-HASH-TABLE) "Early syphilis, latent")
(SETF (GETHASH "1092,0" ICD9-HASH-TABLE)
(SETF (GETHASH "1092,0" ICD9-HASH-TABLE)
(SETF (GETHASH "1092,0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "GETHASH "093.1" ICD9-HASH-TABLE) "Syphilitic")
(GETHASH "093.1" ICD9-HASH-TABLE) "Syphilitic aortitis")
(GETHASH "093.2" ICD9-HASH-TABLE) "Syphilitic endocarditis")
(GETHASH "093.2" ICD9-HASH-TABLE) "Witral valve")
(GETHASH "093.2" ICD9-HASH-TABLE) "Witral valve")
(GETHASH "093.2" ICD9-HASH-TABLE) "Tricuspid valve")
(GETHASH "093.2" ICD9-HASH-TABLE) "Tricuspid valve")
(GETHASH "093.8" ICD9-HASH-TABLE) "Dalmonary valve")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GETHASH ""095" ICD9-HASH-TABLE)
"Other forms of late syphilis, with symptoms")
(GETHASH ""095.0" ICD9-HASH-TABLE) "Syphilitic episcleritis")
(GETHASH ""095.1" ICD9-HASH-TABLE) "Syphilitic peritonitis")
(GETHASH ""095.2" ICD9-HASH-TABLE) "Syphilitic peritonitis")
(GETHASH ""095.3" ICD9-HASH-TABLE) "Syphilis of liver")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Early syphilis, latent, unspecified")
(GETHASH ""093" ICD9-HASH-TABLE) "Cardiovascular syphilis")
(GETHASH ""093.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Acute syphilitic meningitis (secondary)")
(GETHASH ""091.82" ICD9-HASH-TABLE) "Syphilitic alopecia")
(GETHASH ""091.89" ICD9-HASH-TABLE) "Other")
(GETHASH ""091.9" ICD9-HASH-TABLE)
(SETF (GETHASH '"091.50" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
```

```
GEFF (GETHASH "1993." TORO-MASH-TARLED "Syphilis of kidden")

GEFF (GETHASH "1993." TORO-MASH-TARLED "Syphilis of muscle")

GEFF (GETHASH "1993." TORO-MASH-TARLED "Late syphilis, latent")

GEFF (GETHASH "1993." TORO-MASH-TARLED "Late syphilis, unspecified")

GEFF (GETHASH "1993." TORO-MASH-TARLED "Other and maspecified")

GEFF (GETHASH "1993." TORO-MASH-TARLED "Other maspecified")

GEFF (GETHASH "1993." TORO-MASH-TARLED "Other maspecified")

GEFF (GETHASH "1993." TORO-MASH-TARLED "Other carried "Master")

GEFF (GETHASH "1993." TORO-MASH-TARLED "Other")

GEFF (GETHASH "1993." TORO-MASH-TARLED "Other "OTHER "1993." TORO-MASH-TARLED "Other "1993." TORO-M
```

```
SET CETMASH "1098 ST TICD-MANATTRIE "Cheroccal pursitis")
SET CETMASH "1098 ST TICD-MANATTRIE "Cheroccal spondylitis")
SET CETMASH "1098 ST TICD-MANATTRIE "Chero")
SET CETMASH "1098 ST TICD-MANATTRIE "Cheroccal periodicitis")
"Cheroccal infection of chero periodicitis strain "100-MANATTRIE "Cheroccal nentingitis")
"Cheroccal infection of chero periodicitis")
"Cheroccal infection of cherophysical cherophysical periodicitis")
"Cheroccal infection of cherophysical cherophysical cethodicitis")
"Cheroccal heart disease")

SET (CETMASH "1098 ST TICD-MANATMELE "Unpervenced diseases")

SET (CETMASH "1099 ST TICD-MANATMELE "Unpervenced dis
```

```
(SETF (GETMASH "1013." TOD9-MASH-NABLE) "Pinka Uspecified")
(SETF (GETMASH "1013.") TOD9-MASH-NABLE) "Pinka Uspecified")
(SETF (GETMASH "1014.") TOD9-MASH-NABLE) "Networe real endemic spphilis")
(SETF (GETMASH "1014.") TOD9-MASH-NABLE) "Networe real endemic spphilis")
(SETF (GETMASH "1014.") TOD9-MASH-NABLE) "Nematophytosis")
(SETF (GETMASH "1016.") TOD9-MASH-NABLE) "Nematophytosis")
(SETF (GETMASH "1010.") TOD9-MASH-NABLE "Nematophytosis")
(SETF (GETMASH "1011.") TOD9-MA
```

```
TOTAL TABLE TO STAND THE TOTAL TOTAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Infection by demails out fund; [Phaehyphomycosis]")
(GETHASH "117.9" ICD9-HASH-TABLE) "Other and unspecified mycoses")
(GETHASH "118" ICD9-HASH-TABLE) "Other mycoses")
(GETHASH "120" ICD9-HASH-TABLE) "Schistosomiasis [bilharziasis]")
(GETHASH "120.0" ICD9-HASH-TABLE) "Schistosoma haematobium")
(GETHASH "120.1" ICD9-HASH-TABLE) "Schistosoma mansoni")
(GETHASH "120.2" ICD9-HASH-TABLE) "Schistosoma mansoni")
(GETHASH "120.8" ICD9-HASH-TABLE) "Cutaneous")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "CETHASH "123" ICD9-HASH-TABLE) "Other cestode infection")
(GETHASH "123" ICD9-HASH-TABLE) "Other cestode infection")
(GETHASH "123.0" ICD9-HASH-TABLE) "Tenial solium infection, intestinal form")
(GETHASH "123.1" ICD9-HASH-TABLE) "Cysticercosis")
(GETHASH "123.3" ICD9-HASH-TABLE) "Taemia saginata infection")
(GETHASH "123.3" ICD9-HASH-TABLE) "Taemia saginata infection")
                           (GETHASH "117.0" ICD9-HASH-TABLE) "Rhinosporidiosis")
(GETHASH "117.0" ICD9-HASH-TABLE) "Rhinosporidiosis")
(GETHASH "117.1" ICD9-HASH-TABLE) "Chomoblascomycosis")
(GETHASH "117.2" ICD9-HASH-TABLE) "Arpergillosis")
(GETHASH "117.3" ICD9-HASH-TABLE) "Mycotic mycetomas")
(GETHASH "117.4" ICD9-HASH-TABLE) "Mycotic mycetomas")
(GETHASH "117.5" ICD9-HASH-TABLE) "Cyptococcosis")
(GETHASH "117.6" ICD9-HASH-TABLE)
"Allescheriosis [Petriellidosis]")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF (GETHASH "122.7" ICD9-HASH-TABLE)
"Echinococcus multilocularis infection, unspecified")
(SETF (GETHASH "122.8" ICD9-HASH-TABLE)
"Echinococcosis, unspecified, of liver")
(SETF (GETHASH "122.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Tremarode infection, unspecified")
(GETHASH "122" ICD9-HASH-TABLE) "Echinococcosis")
(GETHASH "122.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF (GETHASH "122.4" ICD9-HASH-TABLE)

(SETF (GETHASH "122.4" ICD9-HASH-TABLE)

"Echinococcus granulosus infection, unspecified")

(SETF (GETHASH "122.5" ICD9-HASH-TABLE)

"Echinococcus multilocularis infection of liver")

(SETF (GETHASH "122.6" ICD9-HASH-TABLE)

"Echinococcus multilocularis infection, other")

(SETF (GETHASH "122.7" ICD9-HASH-TABLE)
"117" ICD9-HASH-TABLE) "Other mycoses")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Echinococcus granulosus infection of liver")
(SETF (GETHASH "122.1" ICD9-HASH-TABLE)
(SETF (GETHASH "122.2" ICD9-HASH-TABLE)
"Echinococcus granulosus infection of lung")
(SETF (GETHASH "122.2" ICD9-HASH-TABLE)
"Echinococcus granulosus infection of thyroid")
(SETF (GETHASH "122.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                         "Zygomycosis [Phycomycosis or Mucormycosis]")
(GETHASH ""117.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Diphyllobothriasis, intestinal")
(GETHASH "123.5" ICD9-HASH-TABLE)
"Sparganosis [larval diphyllobothriasis]")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Other specified trematode infections") (SETF (GETHASH ""121.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                7" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                     (GETHASH '"117
    (GETHASH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
(SETF
(SETF
(SETF
SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
```

(SETF

```
(SEIF CETMASH "1213 &" KIDD9-MASH-TABLE" "Hymenolepiasis")

(SEIF CETMASH "1213 &" KIDD9-MASH-TABLE")

(SEIF CETMASH "1213 " LIDD9-MASH-TABLE")

(SEIF CETMA
```

```
GEFF (GERASH "131" ICOS-MASH-TARLD. Trichomonissis")

(SEFF (GERASH "131" ICOS-MASH-TARLD. Trichomonissis")

(SEFF (GERASH "131.0" TOS-MASH-TARLD. Trichomonissis")

(SEFF (GERASH "131.0" TOS-MASH-TARLD. Trichomonissis")

(SEFF (GERASH "131.0" TOS-MASH-TARLD. Trichomonissis unspecified")

(SEFF (GERASH "131.0" TOS-MASH-TARLD. Trichomonia urethritis")

(SEFF (GERASH "131.0" TOS-MASH-TARLD. Trichomonia prostatitis")

(SEFF (GERASH "131.0" TOS-MASH-TARLD. Trichomoniasis, unspecified")

(SEFF (GERASH "131.0" TOS-MASH-TARLD. Trichomoniasis, unspecified")

(SEFF (GERASH "131.0" TOS-MASH-TARLD. Trichomoniasis, unspecified")

(SEFF (GERASH "131.2" TOS-MASH-TARLD. Trichomoniasis, unspecified")

(SEFF (GERASH "131.2" TOS-MASH-TARLD. Trichomoniasis, unspecified")

(SEFF (GERASH "132.2" TOS-MASH-TARLD. Trichomoniasis, unspecified")

(SEFF (GERASH "133.2" TOS-MASH-TARLD. Trichomoniasis, unspecified")

(SEFF (GERASH "133.2" TOS-MASH-TARLD. Trichomoniasis, unspecified")

(SEFF (GERASH "133.2" TOS-MASH-TARLD. "Investorious short free trichomoniasis, unspecified")

(SEFF (GERASH "133.2" TOS-MASH-TARLD. "Investorious short free trichomoniasis, unspecified infectitus and parasitic diseases")

(SEFF (GERASH "133.2" TOS-MASH-TARLD. "Sacrosporidissis")

(SEFF (GE
```

```
GETF (GETMASH "140.1" IDD9-MASH-TARLD" (upwer 1jp, vermilion border")

GETF (GETMASH "140.2" IDD9-MASH-TARLD" (upwer 1jp, vermilion border")

GETF (GETMASH "140.2" IDD9-MASH-TARLD" (upwer 1jp) inner aspect")

GETF (GETMASH "140.2" IDD9-MASH-TARLD" (upwer 1jp) inner aspect")

GETF (GETMASH "140.2" IDD9-MASH-TARLD" (upwer 1jp) inner aspect")

GETF (GETMASH "141.2" IDD9-MASH-TARLD" (upwer 1jp) inner aspect 1jp) inner and inner inner and inner inner and inner inner and inner inner aspect 1jp) inner and inner inner aspect 1jp) inner inner 1jp) inner in
```

```
(SETE (CETMASS "114"; 1109-MSS1-MBLE)

SETE (CETMASS "114"; 1109-MSS1-
```

```
"Mailgnant neoplasm of retroperitoneum and peritoneum")
(GETHASH "158.0" ICD9-HASH-TABLE) "Retroperitoneum")
(GETHASH "158.8" ICD9-HASH-TABLE) "Retroperitoneum")
(GETHASH "158.8" ICD9-HASH-TABLE) "Peritoneum, unspecified")
(GETHASH "159" ICD9-HASH-TABLE)
"Mailgnant neoplasm of other and ill-defined sites within the digestive organs and peritoneum")
(GETHASH "159.0" ICD9-HASH-TABLE)
"Intestinal tract, part unspecified")
(GETHASH "159.1" ICD9-HASH-TABLE)
(GETHASH "159.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SETF (GETHASH "160.1" ICD9-HASH-TABLE) "Nasal cavities, middle ear, and accessory sinuses")
SETF (GETHASH "160.1" ICD9-HASH-TABLE) "Nasal cavities")
SETF (GETHASH "160.1" ICD9-HASH-TABLE) "Auditory tube, middle ear, and mastoid air cells")
SETF (GETHASH "160.2" ICD9-HASH-TABLE) "Fitmorial sinus")
SETF (GETHASH "160.2" ICD9-HASH-TABLE) "Formeral sinus")
SETF (GETHASH "160.3" ICD9-HASH-TABLE) "Formeral sinus")
SETF (GETHASH "160.3" ICD9-HASH-TABLE) "Sphenoidal sinus")
SETF (GETHASH "160.3" ICD9-HASH-TABLE) "Cother")
SETF (GETHASH "160.3" ICD9-HASH-TABLE) "Glottis")
SETF (GETHASH "161.1" ICD9-HASH-TABLE) "Glottis")
SETF (GETHASH "161.1" ICD9-HASH-TABLE) "Supragiottis")
SETF (GETHASH "161.2" ICD9-HASH-TABLE) "Supragiottis")
SETF (GETHASH "161.2" ICD9-HASH-TABLE) "Supragiottis")
SETF (GETHASH "161.3" ICD9-HASH-TABLE) "Laryngeal cartilages")
SETF (GETHASH "161.3" ICD9-HASH-TABLE) "Laryngeal cartilages")
                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Malignant neoplasm of gallbladder and extrahepatic bile ducts") (GETHASH "156.0" ICD9-HASH-TABLE) "Gallbladder") (GETHASH "156.1" ICD9-HASH-TABLE) "Extrahepatic bile ducts") (GETHASH "156.2" ICD9-HASH-TABLE) "Ampulla of Vater") (GETHASH "156.8" ICD9-HASH-TABLE) "Other specified sites of gallbladder and extrahepatic bile ducts") (GETHASH "156.9" ICD9-HASH-TABLE) "Other specified sites of gallbladder and extrahepatic bile ducts") (GETHASH "156.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Biliary tract, part unspecified")
(GETHASH "1157" ICD9-HASH-TABLE) "Head of pancreas")
(GETHASH "1157.0" ICD9-HASH-TABLE) "Head of pancreas")
(GETHASH "1157.1" ICD9-HASH-TABLE) "Body of pancreas")
(GETHASH "1157.2" ICD9-HASH-TABLE) "Pancreatic duct")
(GETHASH "1157.3" ICD9-HASH-TABLE) "Pancreatic duct")
(GETHASH "1157.4" ICD9-HASH-TABLE) "Islets of Langerhans")
(GETHASH "1157.8" ICD9-HASH-TABLE)
(GETHASH "1157.8" ICD9-HASH-TABLE)
(GETHASH "1157.9" ICD9-HASH-TABLE)
(GETHASH "1157.9" ICD9-HASH-TABLE)
(GETHASH "1157.9" ICD9-HASH-TABLE)
(GETHASH "153.9" ICD9-HASH-TABLE) "Colon, unspecified")
(GETHASH "1154" ICD9-HASH-TABLE)
"Malignant neoplasm of rectum, rectosigmoid junction, and anus")
(GETHASH "154.0" ICD9-HASH-TABLE) "Rectum")
(GETHASH "154.1" ICD9-HASH-TABLE) "Rectum")
(GETHASH "154.8" ICD9-HASH-TABLE) "Anal canal")
(GETHASH "155.8" ICD9-HASH-TABLE)
(GETHASH "155" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Spleen, not elsewhere classified")
(SETF (GETHASH "159.8" ICD9-HASH-TABLE)
"Other sites of digestive system and intra-abdominal organs")
(SETF (GETHASH "1159.9" ICD9-HASH-TABLE) "Ill-defined")
(SETF (GETHASH "1160" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                             "Malignant neoplasm of liver and intrahepatic bile ducts") (GETHASH "1155.0" ICO9-HASH-TABLE) "Liver, primary") (GETHASH "1155.1" ICO9-HASH-TABLE) "Intrahepatic bile ducts") (GETHASH "1155.2" ICO9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Other specified sites of larynx")
(GETHASH ""161.9" ICD9-HASH-TABLE) "Larynx, unspecified")
(GETHASH ""162" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Malignant neoplasm of trachea, bronchus, and lung")
                                                                                                                                                                                                                                                                                                                                                                                         "Liver, not specified as primary or secondary")
(GETHASH ""156" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SETF
SETF
SETF
SETF
SETF
SETF
SETF
SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
(SETF
                                                                                                       (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                  (SETF
(SETF
(SETF
```

```
"Mail grant neoplasm of thymus, heart, and mediastinum")
(GETHASH "164.0" ICD9-HASH-TABLE) "Thymus")
(GETHASH "164.1" ICD9-HASH-TABLE) "Thymus")
(GETHASH "164.3" ICD9-HASH-TABLE) "Anterior mediastinum")
(GETHASH "164.3" ICD9-HASH-TABLE) "Other")
(GETHASH "164.8" ICD9-HASH-TABLE) "Nediastinum, part unspecified")
(GETHASH "165" ICD9-HASH-TABLE) "Mediastinum, part unspecified")
(GETHASH "165" ICD9-HASH-TABLE)
"Mail grant neoplasm of other and ill-defined sites within the respiratory system and intrathoracic organs")
(GETHASH "165.0" ICD9-HASH-TABLE)
(GETHASH ""162.0" ICD9-HASH-TABLE) "Trachea")
(GETHASH ""162.2" ICD9-HASH-TABLE) "Wain bronchus")
(GETHASH ""162.3" ICD9-HASH-TABLE) "Upper lobe, bronchus or lung")
(GETHASH ""162.4" ICD9-HASH-TABLE) "Middle lobe, bronchus or lung")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Vertebral column, excluding sacrum and coccyx")
(GETHASH "170.3" ICD9-HASH-TABLE) "Ribs, sternum, and clavicle")
(GETHASH "170.4" ICD9-HASH-TABLE)
"Scapula and long bones of upper limb")
(GETHASH "170.5" ICD9-HASH-TABLE)
(GETHASH "170.6" ICD9-HASH-TABLE)
                                                                                                                                                 "Other parts of bronchus or lung")
(GETHASH ""162.9" ICDO-HANAH-TABLE)
(GETHASH ""163" ICDO-HANAH-TABLE) "Malignant neoplasm of pleura")
(GETHASH ""163." ICDO-HANAH-TABLE) "Malignant neoplasm of pleura")
(GETHASH ""163." ICDO-HANAH-TABLE) "Visceral pleura")
(GETHASH ""163.8" ICDO-HANAH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Upper limb, including shoulder")
(GETHASH "171.3" ICD9-HASH-TABLE) "Lower limb, including hip")
(GETHASH "171.4" ICD9-HASH-TABLE) "Thorax")
(GETHASH "171.6" ICD9-HASH-TABLE) "Pelvis")
(GETHASH "171.6" ICD9-HASH-TABLE) "Pelvis")
(GETHASH "171.7" ICD9-HASH-TABLE) "Pelvis")
(GETHASH "171.7" ICD9-HASH-TABLE) "Trunk, unspecified")
(GETHASH "171.8" ICD9-HASH-TABLE)
"Other specified sites of connective and other soft tissue")
(GETHASH "171.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Connective and other soft tissue, site unspecified")
(GETHASH "172" ICD9-HASH-TABLE) "Mailgnant melanoma of skin")
(GETHASH "172.1" ICD9-HASH-TABLE) "Lip")
(GETHASH "172.1" ICD9-HASH-TABLE) "Eyelid, including canthus")
(GETHASH "172.2" ICD9-HASH-TABLE)
"Ear and external auditory canal")
(GETHASH "172.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Pelvic bones, sacrum, and coccyx")
(GETHASH '"170.7" ICD9-HASH-TABLE) "Long bones of lower limb")
(GETHASH '"170.8" ICD9-HASH-TABLE) "Short bones of lower limb")
(GETHASH '"170.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Malignant neoplasm of connective and other soft tissue") (GETHASH ""171.0" ICD9-HASH-TABLE) "Head, face, and neck") (GETHASH ""171.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                        "Other specified sites of pleura")
(GETHASH "163.9" ICD9-HASH-TABLE) "Pleura, unspecified")
(GETHASH "164" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Malignant neoplasm of bone and articular cartilage")
(GETHASH "170.0" ICD9-HASH-TABLE)
"Bones of Skull and face, except mandible")
(GETHASH "170.1" ICD9-HASH-TABLE) "Wandible")
(GETHASH "170.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Ill-defined sites within the respiratory system")
(GETHASH "170" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Bone and articular cartilage, site unspecified")
(GETHASH "171" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Upper respiratory tract, part unspecified")
(GETHASH "165.8" ICD9-HASH-TABLE) "Other")
(GETHASH "165.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
                                                                                                                                                                                                                                  (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                (SETF
(SETF
```

```
TELL (GETHASH "173.1" LUD9-HASH-TABLE) "Skin")

ETF (GETHASH "173.0" ICD9-HASH-TABLE) "Skin of lip")

ETF (GETHASH "173.1" ICD9-HASH-TABLE) "Eyelid, including canthus")

ETF (GETHASH "173.2" ICD9-HASH-TABLE) "Skin of lip")

ETF (GETHASH "173.2" ICD9-HASH-TABLE) "Skin of ear and external auditory canal")

ETF (GETHASH "173.3" ICD9-HASH-TABLE) "Skin of neck")

ETF (GETHASH "173.4" ICD9-HASH-TABLE) "Skin of trunk, except scrotum")

ETF (GETHASH "173.6" ICD9-HASH-TABLE) "Skin of trunk, except scrotum")

ETF (GETHASH "173.5" ICD9-HASH-TABLE) "Skin of trunk, except scrotum")

ETF (GETHASH "173.8" ICD9-HASH-TABLE) "Skin of trunk, except scrotum")

ETF (GETHASH "173.9" ICD9-HASH-TABLE) "Other specified sites of skin")

ETF (GETHASH "173.9" ICD9-HASH-TABLE) "Other specified sites of skin")

ETF (GETHASH "173.9" ICD9-HASH-TABLE) "Skin, site unspecified")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SETE (GETHASH "174" LLUB-HASH-TABLE)

"Malignant neoplasm of female breast")

SETE (GETHASH "174.0" ICD9-HASH-TABLE) "Central portion")

SETE (GETHASH "174.1" ICD9-HASH-TABLE) "Central portion")

SETE (GETHASH "174.2" ICD9-HASH-TABLE) "Upper-inner quadrant")

SETE (GETHASH "174.3" ICD9-HASH-TABLE) "Upper-inner quadrant")

SETE (GETHASH "174.4" ICD9-HASH-TABLE) "Lower-outer quadrant")

SETE (GETHASH "174.6" ICD9-HASH-TABLE) "Lower-outer quadrant")

SETE (GETHASH "174.8" ICD9-HASH-TABLE) "Sere (GETHASH "174.9" ICD9-HASH-TABLE) "Sere (GETHASH "175.0" ICD9-HASH-TABLE) "Breast (female), unspecified")

SETE (GETHASH "175.0" ICD9-HASH-TABLE) "Sere (GETHASH "176.0" ICD9-HASH-TABLE) "Sere (GETHASH "176.2" ICD9-HASH-TABLE) "Lumph nodes")

SETE (GETHASH "176.3" ICD9-HASH-TABLE) "Lumph nodes")

SETE (GETHASH "176.5" ICD9-HASH-TABLE) "Lumph nodes")

SETE (GETHASH "176.5" ICD9-HASH-TABLE) "Lumph nodes")

SETE (GETHASH "176.5" ICD9-HASH-TABLE) "Unspecified sites")

SETE (GETHASH "176.9" ICD9-HASH-TABLE) "Unspecified")

SETE (GETHASH "176.9" ICD9-HASH-TABLE) "Unspecified")
"Other and unspecified parts of face")

(GETHASH "172.4" ICD9-HASH-TABLE) "Scalp and neck")

(GETHASH "172.5" ICD9-HASH-TABLE) "Trunk, except scrotum")

(GETHASH "172.6" ICD9-HASH-TABLE)

"Upper limb, including shoulder")

(GETHASH "172.7" ICD9-HASH-TABLE) "Lower limb, including hip")

(GETHASH "173." ICD9-HASH-TABLE) "Other specified sites of skin")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Malignant neoplasm of cervix uteri")

(GETHASH "180.0" ICD9-HASH-TABLE) "Endocervix")

(GETHASH "180.1" ICD9-HASH-TABLE) "Exocervix")

(GETHASH "180.1" ICD9-HASH-TABLE) "Exocervix")

(GETHASH "180.9" ICD9-HASH-TABLE)

(GETHASH "180.9" ICD9-HASH-TABLE) "Gervix uteri, unspecified")

(GETHASH "180.1" ICD9-HASH-TABLE) "Malignant neoplasm of placenta")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF (GETHASH "182.0" ICD9-HASH-TABLE) "Corpus uteri, except isthmus")
(SETF (GETHASH "182.0" ICD9-HASH-TABLE) "Corpus uteri, except isthmus")
(SETF (GETHASH "182.8" ICD9-HASH-TABLE)
(SETF (GETHASH "182.8" ICD9-HASH-TABLE)
"Other specified sites of body of uterus")
(SETF (GETHASH "183" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
(SETF
(SETF
                                              (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
(SETF
                                                                                                                                                                                  (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SETF
(SETF
```

```
"Malignant neoplasm of ovary and other uterine adnexa")

SETF (GETHASH "183.0" ICD9-HASH-TABLE) "Ovary")

SETF (GETHASH "183.2" ICD9-HASH-TABLE) "Fallopian tube")

SETF (GETHASH "183.3" ICD9-HASH-TABLE) "Broad ligament")

SETF (GETHASH "183.4" ICD9-HASH-TABLE) "Round ligament")

SETF (GETHASH "183.8" ICD9-HASH-TABLE) "Parametrium")

SETF (GETHASH "183.8" ICD9-HASH-TABLE)
"Other specified sites of uterine adnexa, unspecified")

SETF (GETHASH "184." ICD9-HASH-TABLE) "Uterine adnexa, unspecified")

SETF (GETHASH "184." ICD9-HASH-TABLE) "Vagina")

SETF (GETHASH "184.1" ICD9-HASH-TABLE) "Labia majora")

SETF (GETHASH "184.1" ICD9-HASH-TABLE) "Labia minora")

SETF (GETHASH "184.3" ICD9-HASH-TABLE) "Clitoris")

SETF (GETHASH "184.4" ICD9-HASH-TABLE) "Clitoris")

SETF (GETHASH "184.4" ICD9-HASH-TABLE) "Utloris")

SETF (GETHASH "184.4" ICD9-HASH-TABLE) "Utloris")

SETF (GETHASH "184.4" ICD9-HASH-TABLE) "Other specified sites of female genital organs")

SETF (GETHASH "184.9" ICD9-HASH-TABLE) "Other specified sites of female genital organs")

SETF (GETHASH "184.9" ICD9-HASH-TABLE) "Clitoris")

SETF (GETHASH "184.9" ICD9-HASH-TABLE) "Clitoris")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF (GETHASH "189.0" ICD9-HASH-TABLE) "Kidney, except pelvis")
(SETF (GETHASH "189.1" ICD9-HASH-TABLE) "Kidney, except pelvis")
(SETF (GETHASH "189.2" ICD9-HASH-TABLE) "Renal pelvis")
(SETF (GETHASH "189.3" ICD9-HASH-TABLE) "Urethra")
(SETF (GETHASH "189.3" ICD9-HASH-TABLE) "Urethra")
(SETF (GETHASH "189.3" ICD9-HASH-TABLE) "Paraurethral glands")
(SETF (GETHASH "189.9" ICD9-HASH-TABLE)
"Other specified sites of urinary organs")
(SETF (GETHASH "189.9" ICD9-HASH-TABLE)
"Urinary organ, site unspecified")
(SETF (GETHASH "180.0" ICD9-HASH-TABLE)
(SETF (GETHASH "190.0" ICD9-HASH-TABLE)
(SETF (GETHASH "190.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "SETF (GETHASH "185" ICO9-HASH-TABLE) "Malignant neoplasm of prostate")
(SETF (GETHASH "185" ICO9-HASH-TABLE) "Malignant neoplasm of prostate")
(SETF (GETHASH "186.0" ICO9-HASH-TABLE) "Undescended testis")
(SETF (GETHASH "186.0" ICO9-HASH-TABLE) "Undescended testis")
(SETF (GETHASH "187" ICO9-HASH-TABLE) "Undescended testis")
(SETF (GETHASH "187" ICO9-HASH-TABLE) "Other and unspecified testis")
(SETF (GETHASH "187.1" ICO9-HASH-TABLE) "Glans penis")
(SETF (GETHASH "187.2" ICO9-HASH-TABLE) "Glans penis")
(SETF (GETHASH "187.3" ICO9-HASH-TABLE) "Penis, part unspecified")
(SETF (GETHASH "187.4" ICO9-HASH-TABLE) "Spermatic cord")
(SETF (GETHASH "187.5" ICO9-HASH-TABLE) "Spermatic cord")
(SETF (GETHASH "187.7" ICO9-HASH-TABLE) "Spermatic cord")
(GETHASH "187.8" ICO9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The contraction of the contracti
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Other specified sites of bladder")
(GETHASH ""188.9" ICD9-HASH-TABLE) "Bladder, part unspecified")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Eyeball, except conjunctiva, cornea, retina, and choroid")
(GETHASH '"190.1" ICD9-HASH-TABLE) "Orbit")
(GETHASH '"190.2" ICD9-HASH-TABLE) "Lacrimal gland")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (GETHASH '"189" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SETF
SETF
SETF
SETF
SETF
SETF
SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
(SETF
(SETF
(SETF
```

```
CEFF (CETMASH "190.3" ICO9-MASH-TABLE) "Conjunctiva")

CEFF (CETMASH "190.4" ICO9-MASH-TABLE) "Conjunctiva")

CEFF (CETMASH "190.4" ICO9-MASH-TABLE) "Cornead")

CEFF (CETMASH "190.4" ICO9-MASH-TABLE) "Cornead")

CEFF (CETMASH "190.4" ICOP-MASH-TABLE) "Cornead Tobe")

CEFF (CETMASH "190.4" ICOP-MASH-TABLE) "Cornead Tobe")

CEFF (CETMASH "190.4" ICOP-MASH-TABLE) "Mailgoant neoplasm of brain")

CEFF (CETMASH "191.4" ICOP-MASH-TABLE) "Mailgoant neoplasm of brain")

CEFF (CETMASH "191.2" ICOP-MASH-TABLE) "Mailgoant neoplasm of brain")

CEFF (CETMASH "191.4" ICOP-MASH-TABLE) "Mailgoant neoplasm of brain")

CEFF (CETMASH "191.4" ICOP-MASH-TABLE) "Cornead Tobe")

CEFF (CETMASH "191.4" ICOP-MASH-TABLE) "Cornead Tobe")

CEFF (CETMASH "191.4" ICOP-MASH-TABLE) "Rearin unspecified")

CEFF (CETMASH "191.4" ICOP-MASH-TABLE) "Rearin semple.")

CEFF (CETMASH "191.5" ICOP-MASH-TABLE) "Rearin unspecified parts of nervous system")

CEFF (CETMASH "191.5" ICOP-MASH-TABLE) "Rearin unspecified parts of nervous system")

CEFF (CETMASH "191.5" ICOP-MASH-TABLE) "Rearin unspecified parts of nervous system")

CEFF (CETMASH "191.5" ICOP-MASH-TABLE) "Spiral nervoirs system")

CEFF (CETMASH "191.5" ICOP-MASH-TABLE) "COP-MASH-TABLE) "Tortaring and "Spiral nervoirs system")

CEFF (CETMASH "191.5" ICOP-MASH-TABLE) "Cop-MASH-TABLE) "Cop-MASH-TABLE) "A ICOP-MASH-TABLE) "Cop-MASH-TABLE) "Tortaring and carniophasynesic of cop-MASH-TABLE) "Cop-MASH-TABLE) "A ICOP-MASH
```

```
"Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue") (GETHASH ""203" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Secondary maignant neoplasm of other specified sites")
"Secondary maignant neoplasm of other specified sites")
"ETF (GETHASH "198.0" ICD9-HASH-TABLE) "Widney")
ETF (GETHASH "198.2" ICD9-HASH-TABLE) "Skin")
ETF (GETHASH "198.3" ICD9-HASH-TABLE) "Other urinary organs")
ETF (GETHASH "198.3" ICD9-HASH-TABLE) "Other parts of nervous system")
ETF (GETHASH "198.5" ICD9-HASH-TABLE) "Other parts of nervous system")
ETF (GETHASH "198.5" ICD9-HASH-TABLE) "Madrean gland")
ETF (GETHASH "198.8" ICD9-HASH-TABLE) "Madrean gland")
ETF (GETHASH "198.8" ICD9-HASH-TABLE) "Gener specified sites")
ETF (GETHASH "198.8" ICD9-HASH-TABLE) "Genital organs")
ETF (GETHASH "199" ICD9-HASH-TABLE) "Chefe")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FIGURE AS INTERPRETABLE TO THE STATE TO THE 
                                                 "Secondary 17, 2027 in the plant neoplasm of respiratory and digestive systems")
(GETHASH "197.0" ICD9-HASH-TABLE) "Lung")
(GETHASH "197.1" ICD9-HASH-TABLE) "Mediastinum")
(GETHASH "197.3" ICD9-HASH-TABLE) "Other respiratory organs")
(GETHASH "197.3" ICD9-HASH-TABLE) "Other respiratory organs")
(GETHASH "197.4" ICD9-HASH-TABLE)
"Small intestine, including duodenum")
(GETHASH "197.6" ICD9-HASH-TABLE) "Large intestine and rectum")
(GETHASH "197.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CETHASH 1202 LLUSTANDINANDINAND and histiocytic tissue")
COTHERN 1202.0" ICD9-HASH-TARLE "Nodular lymphoma")
EFF (GETHASH "202.0" ICD9-HASH-TARLE) "Nocosis fungoides")
EFF (GETHASH "202.1" ICD9-HASH-TARLE) "S, zary's disease")
EFF (GETHASH "202.3" ICD9-HASH-TARLE) "Malignant histiocytosis")
EFF (GETHASH "202.4" ICD9-HASH-TARLE) "Malignant histiocytosis")
EFF (GETHASH "202.5" ICD9-HASH-TARLE)
"Leukemic reticuloendotheliosis")
EFF (GETHASH "202.5" ICD9-HASH-TARLE) "Letterer-Siwe disease")
EFF (GETHASH "202.9" ICD9-HASH-TARLE) "Malignant mast cell tumors")
EFF (GETHASH "202.9" ICD9-HASH-TARLE) "Other lymphomas")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF (GETHASH "197.7" ICD9-HASH-TABLE) "Liver, specified as secondary") (SETF (GETHASH "197.7" ICD9-HASH-TABLE) "Liver, specified as secondary") (SETF (GETHASH "197.8" ICD9-HASH-TABLE) "Other digestive organs and spleen") (SETF (GETHASH "198" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Lymphocytic-histiocytic predominance")
"Lymphocytic-histiocytic predominance")
(SETF (GETHASH "201.8" ICD9-HASH-TABLE) "Wixed cellularity")
(SETF (GETHASH "201.7" ICD9-HASH-TABLE) "Lymphocytic depletion")
(SETF (GETHASH "201.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Multiple myeloma and immunoproliferative neoplasms")
(GETHASH '"203.0" ICD9-HASH-TABLE) "Multiple myeloma")
(GETHASH '"203.1" ICD9-HASH-TABLE) "Plasma cell leukemia")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Hodgkin's disease, unspecified")
(GETHASH '"202" ICD9-HASH-TABLE)
(SETF (GETHASH '"197" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
(SETF
(SETF
                                                                                                                                                   (SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SET (SET) (S
```

```
SETE (GETHASH "2023." LUOD-HASH-TARLE)

"Other immunoproliferative neoplasms")

SETE (GETHASH "204" ICD9-HASH-TARLE) "Acute")

SETE (GETHASH "204." ICD9-HASH-TARLE) "Chronic")

SETE (GETHASH "204.1" ICD9-HASH-TARLE) "Chronic")

SETE (GETHASH "204.2" ICD9-HASH-TARLE) "Chronic")

SETE (GETHASH "205." ICD9-HASH-TARLE) "Why Did leukemia")

SETE (GETHASH "205." ICD9-HASH-TARLE) "Myeloid leukemia")

SETE (GETHASH "205." ICD9-HASH-TARLE) "Myeloid leukemia")

SETE (GETHASH "205.3" ICD9-HASH-TARLE) "Chronic")

SETE (GETHASH "205.3" ICD9-HASH-TARLE) "Monocytic leukemia")

SETE (GETHASH "206.3" ICD9-HASH-TARLE) "Chronic")

SETE (GETHASH "207.0" ICD9-HASH-TARLE) "Chronic "Chronic "Chronic "Unspecified monocytic leukemia")

SETE (GETHASH "207.0" ICD9-HASH-TARLE) "Chronic erythremia")

SETE (GETHASH "207.0" ICD9-HASH-TARLE) "Chronic erythremia")

SETE (GETHASH "207.0" ICD9-HASH-TARLE) "Chronic erythremia")

SETE (GETHASH "207.2" ICD9-HASH-TARLE) "Chronic erythremia")

"Acute erythremia and erythroleukemia")

SETE (GETHASH "207.2" ICD9-HASH-TARLE) "Chronic erythremia")

"Acute erythremia and erythroleukemia")

SETE (GETHASH "207.2" ICD9-HASH-TARLE) "Chronic erythremia")

"Ankania of unspecified leukemia")

"Ankania of unspecified leukemia")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Leukemia of unspecified cell type")

ETF (GETHASH "208 .U. C109-HASH-TABLE) "Acute")

ETF (GETHASH "208 .U. ICO9-HASH-TABLE) "Chronic")

ETF (GETHASH "208 .U. ICO9-HASH-TABLE) "Chronic")

ETF (GETHASH "208 .U. ICO9-HASH-TABLE) "Chronic")

"Other leukemia of unspecified cell type")

"Other leukemia of unspecified cell type")

"ETF (GETHASH "208 .U. ICO9-HASH-TABLE) "Unspecified leukemia")

ETF (GETHASH "210 .U. ICO9-HASH-TABLE) "Lip")

ETF (GETHASH "210 .U. ICO9-HASH-TABLE) "Lip")

ETF (GETHASH "210 .U. ICO9-HASH-TABLE) "Tongue")

ETF (GETHASH "210 .U. ICO9-HASH-TABLE) "Other parts of mouth")

ETF (GETHASH "210 .U. ICO9-HASH-TABLE) "Other parts of oropharynx")

ETF (GETHASH "210 .U. ICO9-HASH-TABLE) "Other parts of oropharynx")

ETF (GETHASH "210 .U. ICO9-HASH-TABLE) "Other parts of oropharynx")

ETF (GETHASH "210 .U. ICO9-HASH-TABLE) "Other parts of oropharynx")

ETF (GETHASH "210 .U. ICO9-HASH-TABLE) "Phypopharynx")

ETF (GETHASH "210 .U. ICO9-HASH-TABLE) "Phypopharynx")

ETF (GETHASH "210 .U. ICO9-HASH-TABLE) "Phypopharynx")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Benign neoplasm of other parts of digestive system")
(GETHASH "721.0" ICD9-HASH-TABLE) "Esophagus")
(GETHASH "721.1" ICD9-HASH-TABLE) "Stomach")
(GETHASH "721.2" ICD9-HASH-TABLE) "Duodenum, jejunum, and ileum")
(GETHASH "721.3" ICD9-HASH-TABLE) "Colon")
(GETHASH "721.4" ICD9-HASH-TABLE) "Rectum and anal canal")
(GETHASH "721.5" ICD9-HASH-TABLE) "Liver and biliary passages")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Retroperitoneum and peritoneum")
(GETHASH '"211.9" ICD9-HASH-TABLE) "Other and unspecified site")
(GETHASH '"212" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Pancreas, except islets of Langerhans")
(GETHASH ""211.7" ICD9-HASH-TABLE) "Islets of Langerhans")
(GETHASH ""211.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Benign neoplasm of respiratory and intrathoracic organs")
(SETF (GETHASH ""212.0" ICD9-HASH-TABLE)
(GETHASH '"203.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
                                                             (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
(SETF
```

```
SETF (CETHASS "121.2" IOD9-HAST-NELD "TRACK")
SETF (CETHASS "121.2" IOD9-HAST-NELD "TRACK "TRACK")
SETF (CETHASS "121.2" IOD9-HAST-NELD "TRACK "TRACK "TRACK")
SETF (CETHASS "121.2" IOD9-HAST-NELD "TRACK "TRACK "TRACK")
SETF (CETHASS "121.2" IOD9-HAST-NELD
```

```
(SETF (GETHASH "1219" ICD9-HASH-TABLE) "Other benign neoplasm of uterus.")

(SETF (GETHASH "1219" ICD9-HASH-TABLE) "Other benign neoplasm of uterus.")

(SETF (GETHASH "1219." ICD9-HASH-TABLE) "Gervix uteri")

(SETF (GETHASH "1219.1" ICD9-HASH-TABLE) "Gerpus uteri")

(SETF (GETHASH "1219.8" ICD9-HASH-TABLE)

(SETF (GETHASH "1219.9" ICD9-HASH-TABLE) "Benign neoplasm of ovary")

(SETF (GETHASH "1220" ICD9-HASH-TABLE) "Benign neoplasm of ovary")

(SETF (GETHASH "1221" ICD9-HASH-TABLE) "Benign neoplasm of ovary")

(SETF (GETHASH "1221." ICD9-HASH-TABLE) "Benign neoplasm of ovary")

(SETF (GETHASH "1221." ICD9-HASH-TABLE) "Valva")

(SETF (GETHASH "1221." ICD9-HASH-TABLE) "Valva")

(SETF (GETHASH "1221." ICD9-HASH-TABLE) "Valva")

(SETF (GETHASH "1221." ICD9-HASH-TABLE)

"Other specified sites of female genital organs")

(SETF (GETHASH "1221." ICD9-HASH-TABLE)

"Other specified sites of female genital organs")

(SETF (GETHASH "1222" ICD9-HASH-TABLE)

"Female genital organ, site unspecified")

(SETF (GETHASH "1222" ICD9-HASH-TABLE)

"Female genital organ, site unspecified")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Eyeball, except conjunctiva, cornea, retina, and choroid")
EIF (GETHASH "224.1" ICD9-HASH-TABLE) "Orbit")
EIF (GETHASH "224.2" ICD9-HASH-TABLE) "Arbit"]
EIF (GETHASH "224.4" ICD9-HASH-TABLE) "Conjunctiva")
EIF (GETHASH "224.4" ICD9-HASH-TABLE) "Connea")
EIF (GETHASH "224.4" ICD9-HASH-TABLE) "Connea")
EIF (GETHASH "224.5" ICD9-HASH-TABLE) "Choroid")
EIF (GETHASH "224.8" ICD9-HASH-TABLE) "Choroid")
EIF (GETHASH "224.8" ICD9-HASH-TABLE) "Other specified parts of eye")
EIF (GETHASH "224.8" ICD9-HASH-TABLE) "Eye, part unspecified")
EIF (GETHASH "225" ICD9-HASH-TABLE)
                                                 "Intramural leiomyoma of uterus")
(SETF (GETHASH ""218.2" ICD9-HASH-TABLE) "Subserous leiomyoma of uterus")
(SETF (GETHASH ""18.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The contract of the contract o
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Benign neoplasm of brain and other parts of nervous system")
(GETHASH "725.0" ICD9-HASH-TABLE" "Brain")
(GETHASH "725.1" ICD9-HASH-TABLE" "Ceranial nerves")
(GETHASH "725.2" ICD9-HASH-TABLE" "Cerebral meninges")
(GETHASH "725.2" ICD9-HASH-TABLE" "Spinal cord")
(GETHASH "725.4" ICD9-HASH-TABLE" "Spinal meninges")
(GETHASH "725.4" ICD9-HASH-TABLE")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Urinary organ, site unspecified")
(GETHASH ""224" ICD9-HASH-TABLE) "Benign neoplasm of eye")
(GETHASH ""224.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Benign neoplasm of male genital organs")
"Benign neoplasm of male genital organs")
TF (GETHASH "1222.0" ICD9-HASH-TABLE) "Testis")
TF (GETHASH "1222.1" ICD9-HASH-TABLE) "Prostate")
TF (GETHASH "1222.3" ICD9-HASH-TABLE) "Epididymis")
TF (GETHASH "1222.8" ICD9-HASH-TABLE) "Scrotum")
TF (GETHASH "1222.8" ICD9-HASH-TABLE)
TF (GETHASH "1222.9" ICD9-HASH-TABLE)
TF (GETHASH "1222.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Male genital organ, site unspecified")
(GETHASH '"223" ICD9-HASH-TABLE)
(SETF (GETHASH '"218.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SETF (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
(SETF
```

"Other specified sites of nervous system")

```
(SET CETMASH "222.9" ICOD-MASH-TARLE)

"Bengin meopla and through glands")

(SET CETMASH "222.1" ICOD-MASH-TARLE)

"Bengin meopla and craniple "Aerenal gland")

(SET CETMASH "222.1" ICOD-MASH-TARLE)

"Bengin meopla and craniple "Parathyroid gland")

(SET CETMASH "222.1" ICOD-MASH-TARLE)

"SET CETMASH "222.1" ICOD-MASH-TARLE)

(SET CETMASH "222.1" ICOD-MASH-TARLE)

"SET CETMASH "222.1" ICOD-MASH-TARLE)

(SET CETMASH "222.0" ICOD-MASH-TARLE)

(S
```

```
SETF (GETHASH "232.8" ICD9-HASH-TABLE)

"Skin of lower 11mb, including hip")

SETF (GETHASH "232.8" ICD9-HASH-TABLE) "Other specified sites of skin")

SETF (GETHASH "232.8" ICD9-HASH-TABLE) "Skin, site unspecified")

SETF (GETHASH "233.0" ICD9-HASH-TABLE) "Gervix uteri")

SETF (GETHASH "233.0" ICD9-HASH-TABLE) "Gervix uteri")

SETF (GETHASH "233.1" ICD9-HASH-TABLE) "Gervix uteri")

SETF (GETHASH "233.2" ICD9-HASH-TABLE) "Gervix uteri")

SETF (GETHASH "233.3" ICD9-HASH-TABLE) "Prostate")

SETF (GETHASH "233.4" ICD9-HASH-TABLE) "Prostate")

SETF (GETHASH "233.4" ICD9-HASH-TABLE) "Pentis")

SETF (GETHASH "233.6" ICD9-HASH-TABLE) "Gervix uteri")

SETF (GETHASH "233.6" ICD9-HASH-TABLE) "Gervix uteri")

SETF (GETHASH "233.4" ICD9-HASH-TABLE) "Gervix uteri")

SETF (GETHASH "233.6" ICD9-HASH-TABLE) "Gervix uteri")

SETF (GETHASH "233.6" ICD9-HASH-TABLE) "Gervix uteri")

SETF (GETHASH "233.9" ICD9-HASH-TABLE) "Gervix uteri")

SETF (GETHASH "234.0" ICD9-HASH-TABLE) "Gervix uteri")

SETF (GETHASH "234.0" ICD9-HASH-TABLE) "Gervix uterix uter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF (GETHASH "237.0" ICD9-HASH-TABLE)
(SETF (GETHASH "237.0" ICD9-HASH-TABLE)
"Pituitzary gland and crain/opharyngeal duct")
(SETF (GETHASH "237.1" ICD9-HASH-TABLE) "Pituel gland")
(SETF (GETHASH "237.2" ICD9-HASH-TABLE) "Adrenal gland")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SETF (GETHASH "236 LUD9-HASH-TABLE)"

Wheeplasm of uncertain behavior of genitourinary organs")

SETF (GETHASH "236.0" ICD9-HASH-TABLE) "Uteruu")

SETF (GETHASH "236.1" ICD9-HASH-TABLE) "Placenta")

SETF (GETHASH "236.3" ICD9-HASH-TABLE) "Ovary)

SETF (GETHASH "236.3" ICD9-HASH-TABLE) "Prostate")

SETF (GETHASH "236.4" ICD9-HASH-TABLE) "Prostate")

SETF (GETHASH "236.6" ICD9-HASH-TABLE) "Prostate")

SETF (GETHASH "236.6" ICD9-HASH-TABLE) "Prostate")

SETF (GETHASH "236.9" ICD9-HASH-TABLE) "Bladder")

SETF (GETHASH "236.9" ICD9-HASH-TABLE) "Bladder")

SETF (GETHASH "236.9" ICD9-HASH-TABLE) "Urinary organ, unspecified uning perital organs")

SETF (GETHASH "236.9" ICD9-HASH-TABLE) "Winnary organ, unspecified")

SETF (GETHASH "236.9" ICD9-HASH-TABLE) "Stiney and ureter")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF (GETHASH "235.3" ICD9-HASH-TABLE)
(SETF (GETHASH "235.5" ICD9-HASH-TABLE)
(SETF (GETHASH "235.7" ICD9-HASH-TABLE) "Larynx")
(SETF (GETHASH "235.7" ICD9-HASH-TABLE) "Trachea, bronchus, and lung")
(SETF (GETHASH "235.7" ICD9-HASH-TABLE) "Trachea, bronchus, and lung")
(SETF (GETHASH "235.9" ICD9-HASH-TABLE)
(SETF (GETHASH "235.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Stomach, intestines, and rectum")
(GETHASH ""235.3" ICD9-HASH-TABLE) "Liver and biliary passages")
(GETHASH ""235.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Other and unspecified respiratory organs")
(GETHASH '"236" ICD9-HASH-TABLE)
                            upper limb, including shoulder")
(SETF (GETHASH '"232.6" ICD9-HASH-TABLE)
                                                                     (SETF (GETHASH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
(SETF
                                                                                                                                                      (SETF
                                                                                                                                                                                                                                                                                                         (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
(SETF
(SETF
(SETF
```

```
"Other specified disorders of thyroid")

(GETHASH "246.9" ICD9-HASH-TABLE)

(GETHASH "250." ICD9-HASH-TABLE) "Diabetes mellitus")

(GETHASH "250." ICD9-HASH-TABLE) "Diabetes mellitus")

(GETHASH "250." ICD9-HASH-TABLE)

"Diabetes mellitus without mention of complication")

(GETHASH "250.1" ICD9-HASH-TABLE) "Diabetes with ketoacidosis")

(GETHASH "250.2" ICD9-HASH-TABLE) "Diabetes with hyperosmolarity")

(GETHASH "250.4" ICD9-HASH-TABLE) "Diabetes with other coma")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Other disorders of pancreatic internal secretion")
(GETHASH "251.0" ICD9-HASH-TABLE) "Hypoglycemic coma")
(GETHASH "251.1" ICD9-HASH-TABLE) "Hypoglycemia, unspecified hypoglycemia")
(GETHASH "251.3" ICD9-HASH-TABLE) "Hypoglycemia, unspecified")
(GETHASH "251.3" ICD9-HASH-TABLE) "Postsurgical hypoinsulinemia")
(GETHASH "251.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Unspecified disorder of pancreatic internal secretion")
(GETHASH "252" ICD9-HASH-TABLE) "Disorders of parathyroid gland")
(GETHASH "252.0" ICD9-HASH-TABLE) "Hyperparathyroidism")
(GETHASH "252.1" ICD9-HASH-TABLE) "Hypoparathyroidism")
(GETHASH "252.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                            "Chronic lymphocytic thyroiditis"" (GETHASH "245.3" ICD9-HASH-TABLE) "Chronic fibrous thyroiditis") (GETHASH "245.4" ICD9-HASH-TABLE) "Iatrogenic thyroiditis") (GETHASH "245.8" ICD9-HASH-TABLE) "Other and unspecified chronic thyroiditis") "Other and unspecified chronic thyroiditis") (GETHASH "245.9" ICD9-HASH-TABLE) "Thyroiditis, unspecified") (GETHASH "246.0" ICD9-HASH-TABLE) "Chher disorders of thyroid") (GETHASH "246.0" ICD9-HASH-TABLE)
                                                                                                               "Other specified acquired hypothyroidism")
(GETHASH ""244.9" ICD9-HASH-TABLE) "Unspecified hypothyroidism")
(GETHASH ""245.0" ICD9-HASH-TABLE) "Thyroiditis")
(GETHASH ""245.0" ICD9-HASH-TABLE) "Acute thyroiditis")
(GETHASH ""245.1" ICD9-HASH-TABLE) "Subacute thyroiditis")
(GETHASH ""245.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Other specified disorders of pancreatic internal secretion") (SETF (GETHASH ""251.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Disorders of thyrocalcitonin secretion")
(GETHASH "246.1" ICD9-HASH-TABLE) "Dyshormonogenic goiter")
(GETHASH "246.2" ICD9-HASH-TABLE) "Cyst of thyroid")
(TETHASH "246.3" ICD9-HASH-TABLE)
(Hemnerhage and infarction of thyroid")
(GETHASH "246.8" ICD9-HASH-TABLE)
(GETHASH '"244.2" ICD9-HASH-TABLE) "Iodine hypothyroidism")
(GETHASH '"24.3" ICD9-HASH-TABLE)
"Other iatrogenic hypothyroidism")
(GETHASH '"244.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Diabetes with renal manifestations")
(GETHASH "250.5" ICD9-HASH-TABLE)
(GETHASH "250.6" ICD9-HASH-TABLE)
"Diabetes with networlogical manifestations")
(GETHASH "250.6" ICD9-HASH-TABLE)
"Diabetes with neurological manifestations")
(GETHASH "250.7" ICD9-HASH-TABLE)
"Diabetes with peripheral circulatory disorders")
(GETHASH "250.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Diabetes with other specified manifestations") (CETHASH "1250,9" LOG9-HASH-TABLE)
"Diabetes with unspecified complication") (CETHASH "1251" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Abnormality of secretion of glucagon")
(SETF (GETHASH "251.5" ICD9-HASH-TABLE)
"Abnormality of secretion of gastrin")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF (GETHASH '"Z51.8" ICD9-HASH-TÄBLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
(SETF
(SETF
(SETF
(SETF
      (SETF
(SETF
                                                                                         (SETF
                                                                                                                                                 (SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                           (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
```

"Other specified disorders of parathyroid gland") (GETHASH '"252.9" ICD9-HASH-TABLE)

(SETF

"Unspecified disorder of parathyroid gland")

```
"Other disorders of the pituitary and other syndromes of diencephalohypophyseal origin") (GETHASH ""25.9" ICO9-HASH-TARLE) "Unspecified") (GETHASH ""254" ICO9-HASH-TARLE) "Unspecified") (GETHASH ""254.1 ICO9-HASH-TARLE) "Diseases of thymus gland") (GETHASH ""254.0" ICO9-HASH-TARLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The CETHASH "725" ICD9-HASH-TABLE) "Grafters of adrenal glands")

ETF (GETHASH "725" ICD9-HASH-TABLE) "Grafters of adrenal glands")

ETF (GETHASH "725.0" ICD9-HASH-TABLE) "Grafters of adrenal glands")

ETF (GETHASH "725.1" ICD9-HASH-TABLE) "Hyperal dosteronism")

ETF (GETHASH "725.3" ICD9-HASH-TABLE) "Adrenogenital disorders")

ETF (GETHASH "725.3" ICD9-HASH-TABLE) "Green "Green "725.4" ICD9-HASH-TABLE) "Green "725.4" ICD9-HASH-TABLE) "Green "725.4" ICD9-HASH-TABLE) "Green "725.5" ICD9-HASH-TABLE) "Green "725.6" ICD9-HASH-TABLE) "Green 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Other specified disorders of adrenal glands")
SETF (GETHASH "255.9" LTO9-HASH-TABLE)
"Unspecified disorder of adrenal glands")
"Unspecified disorder of adrenal glands")
SETF (GETHASH "256" LTO9-HASH-TABLE) "Hyperestrogenism")
SETF (GETHASH "256.1" LTO9-HASH-TABLE) "Other ovarian hyperfunction")
SETF (GETHASH "256.2" LTO9-HASH-TABLE) "Other ovarian hyperfunction")
SETF (GETHASH "256.3" LTO9-HASH-TABLE) "Other ovarian failure")
SETF (GETHASH "256.4" LTO9-HASH-TABLE) "Other ovarian failure")
SETF (GETHASH "256.8" LTO9-HASH-TABLE) "Other ovarian dilure")
SETF (GETHASH "256.8" LTO9-HASH-TABLE) "Other ovarian dilure")
SETF (GETHASH "256.9" LTO9-HASH-TABLE) "Other ovarian dilure")
SETF (GETHASH "256.9" LTO9-HASH-TABLE) "Other ovarian dysfunction")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Postablative testicular hypofunction")
(GETHASH "257.2" ICO9-HASH-TABLE) "Other testicular hypofunction")
(GETHASH "257.8" ICO9-HASH-TABLE) "Other testicular dysfunction")
(GETHASH "257.9" ICO9-HASH-TABLE)
"Unspecified testicular dysfunction")
                                       "Disorders of the pituitary gland and its hypothalamic control") (GETHASH ""253.0" ICO9-HASH-TABLE) "Acromegaly and gigantism") (GETHASH ""253.1" ICO9-HASH-TABLE) "Other and unspecified anterior pituitary hyperfunction") (GETHASH ""253.2" ICO9-HASH-TABLE) "Panhypopituitarism") (GETHASH ""253.4" ICO9-HASH-TABLE) "Pituitary dwarfism") (GETHASH ""253.4" ICO9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (GETHASH ''257.0" ICD9-HASH-TABLE) "Testicular hyperfunction")
(GETHASH ''257.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Other specified polyglandular dysfunction")
(SETF (GETHASH "1288, ICD9-MASH-PABLE)
"Polyglandular dysfunction, unspecified")
(SETF (GETHASH ""259" ICD9-MASH-TABLE) "Other endocrine disorders")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Polyglandular activity in multiple endocrine adenomatosis") (SETF (GETHASH ""258.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Unspecified ovarian dysfunction")
(GETHASH '"257" ICD9-HASH-TABLE) "Testicular dysfunction")
                                                                                                                                                                                                                                                                                                                                                                          "Other anterior pituitary disorders")
(GETHASH '"253.5" ICD9-HASH-TABLE) "Diabetes insipidus")
(GETHASH '"253.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Persistent hyperplasia of thymus")
(GETHASH '"254.1" ICD9-HASH-TABLE) "Abscess of thymus")
(GETHASH '"254.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Polyglandular dysfunction and related disorders")
(SETF (GETHASH "258.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Other combinations of endocrine dysfunction")
(SETF (GETHASH ""258.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Other specified diseases of thymus gland")
(GETHASH '"254.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Other disorders of neurohypophysis")
(SETF (GETHASH "753." ICD9-HASH-TABLE)
"Iatrogenic pituitary disorders")
(SETF (GETHASH "253.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF (GETHASH '"258" ICD9-HASH-TABLE)
(SETF (GETHASH '"253" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
(SETF
(SETF
                                                                                              (SETF
                                                                                                                                                                                                                                    (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
(SETF
(SETF
(SETF
(SETF
```

```
(SETF (GETHASH ""259.0" ICD9-HASH-TABLE)
"Delay in sexual development and puberty, not elsewhere classified")
(SETF (GETHASH ""259.1" ICD9-HASH-TABLE)
"Precocious sexual development and puberty, not elsewhere classified")
(SETF (GETHASH ""259.2" ICD9-HASH-TABLE)
(SETF (GETHASH ""259.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Deficiency of B-complex components")
(GETHASH ""266.0" ICD9-HASH-TABLE) "Arrboflavinosis")
(GETHASH ""266.1" ICD9-HASH-TABLE) "Vitamin 86 deficiency")
(GETHASH ""266.1" ICD9-HASH-TABLE) "Other B-complex deficiencies")
(GETHASH ""266.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF (GETHASH "267" ICD9-HASH-TABLE) "Ascorbic acid deficiency")
(SETF (GETHASH "267" ICD9-HASH-TABLE) "Ascorbic acid deficiency")
(SETF (GETHASH "268" ICD9-HASH-TABLE) "Rickets, active")
(SETF (GETHASH "268.1" ICD9-HASH-TABLE) "Rickets, active")
(SETF (GETHASH "268.2" ICD9-HASH-TABLE) "Rickets, late effect")
(SETF (GETHASH "268.2" ICD9-HASH-TABLE) "Steomalacia, unspecified")
(SETF (GETHASH "268.9" ICD9-HASH-TABLE)
"Unspecified vitamin D deficiency")
(SETF (GETHASH "269" ICD9-HASH-TABLE) "Other nutritional deficiencies")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (GETHASH "1263.1" ICO9-MASH-TABLE) "Walnutrition of mild degree") (GETHASH "1263.2" ICO9-MASH-TABLE) "Arrested development following protein-calorie malnutrition") (GETHASH "1263.8" ICO9-MASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Unspecified protein-calorie malnutrition")
(GETHASH "264. TGD9-HASH-TABLE) "Vitamin A deficiency")
(GETHASH "264.0" ICD9-HASH-TABLE) "With conjunctival xerosis")
(GETHASH "264.1" ICD9-HASH-TABLE)
"With conjunctival xerosis and Bitot's spot")
(GETHASH "264.2" ICD9-HASH-TABLE) "With corneal xerosis")
(GETHASH "264.3" ICD9-HASH-TABLE) "With corneal xerosis")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Other and unspecified manifestations of thiamine deficiency") (GETHASH ""265.2" ICD9-HASH-TARLE) "Pellagra") (GETHASH ""266" ICD9-HASH-TARLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "With corneal ulceration and xerosis")
(GETHASH ""264.4" ICD9-HASH-TABLE) "With keratomalacia")
(GETHASH ""264.5" ICD9-HASH-TABLE) "With night blindness")
(GETHASH ""264.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                (GETHASH "1260" ICD9-HASH-TABLE) "Kwashiorkor")
(GETHASH "1261" ICD9-HASH-TABLE) "Nutritional marasmus")
(GETHASH "1262" ICD9-HASH-TABLE)
                                                                                                                                                                                         "Ectopic hormone secretion, not elsewhere classified")
(SETF (GETHASH "259.4" ICD9-HASH-TABLE)
"Dwarfism, not elsewhere classified")
(SETF (GETHASH "259.8" ICD9-HASH-TABLE)
"Other specified endocrine disorders")
(SETF (GETHASH "259.9" ICD9-HASH-TABLE)
"Unspecified endocrine disorder")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Other ocular manifestations of vitamin A deficiency")
(GETHASH '"264.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Other and unspecified protein-calorie malnutrition")
(GETHASH ""263.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Other manifestations of vitamin A deficiency")
(GETHASH "1264.9" ICD9-HASH-TABLE)
(GETHASH "265" ICD9-HASH-TABLE)
"Thiamine and niacin deficiency states")
(GETHASH "265" ICD9-HASH-TABLE)
(GETHASH "265" ICD9-HASH-TABLE)
(GETHASH "265.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Other severe protein-calorie malnutrition")
(GETHASH '"263" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Other protein-calorie malnutrition")
(GETHASH '"263.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "With xerophthalmic scars of cornea")
(GETHASH '"264.7" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Malnutrition of moderate degree")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
(SETF
```

```
(SET (CETMASH "756.9" (1009-MASH-TARE) "Deficiency of vitamins")

(SET (CETMASH "756.9") (1009-MASH-TARE) "Deficiency of other vitamins")

(SET (CETMASH "756.2") (1009-MASH-TARE) "Other nutritional deficiency")

(SET (CETMASH "756.9") (1009-MASH-TARE) "Other nutritional deficiency")

(SET (CETMASH "756.9") (1009-MASH-TARE) "Other nutritional deficiency")

(SET (CETMASH "750.0") (1009-MASH-TARE) "Other detabolism")

(SET (CETMASH "750
```

```
This projection of disorder of plasma protein metabolism")

"Unspecified disorder of plasma protein metabolism")

"ETF (GETHASH "1274" ICD9-HASH-TABLE) "Gouty arthropathy")

SETF (GETHASH "1274.11" ICD9-HASH-TABLE) "Gouty pephropathy")

SETF (GETHASH "1274.11" ICD9-HASH-TABLE) "Gouty nephropathy")

SETF (GETHASH "1274.11" ICD9-HASH-TABLE) "Uric acid nephrolithiasis")

SETF (GETHASH "1274.11" ICD9-HASH-TABLE) "Uric acid nephrolithiasis")

SETF (GETHASH "1274.18" ICD9-HASH-TABLE) "Other")

SETF (GETHASH "1274.81" ICD9-HASH-TABLE) "Gouty tophi of ear")

SETF (GETHASH "1274.82" ICD9-HASH-TABLE) "Gouty tophi of other sites")

SETF (GETHASH "1274.89" ICD9-HASH-TABLE) "Gouty unspecified")

SETF (GETHASH "1275.01" ICD9-HASH-TABLE) "Gouty unspecified")

SETF (GETHASH "1275.01" ICD9-HASH-TABLE) "Disorders of mineral metabolism")

SETF (GETHASH "1275.01" ICD9-HASH-TABLE) "Disorders of iron metabolism")

SETF (GETHASH "1275.01" ICD9-HASH-TABLE) "Disorders of iron metabolism")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CSETT CACETTASAN 1.0.0 ALON-HANEL)

(SETF (GETHASH "1275.9" ICO9-HASH-TARLE)

"Unspecified disorder of mineral metabolism")

(SETF (GETHASH "1275.0" ICO9-HASH-TARLE)

"Disorders of fluid, electrolyte, and acid-base balance")

(SETF (GETHASH "1276.0" ICO9-HASH-TARLE)

"Hyperosmolality and/or hypernatremia")

(SETF (GETHASH "1276.1" ICO9-HASH-TARLE)

"Hyperosmolality and/or hypernatremia")

(SETF (GETHASH "1276.1" ICO9-HASH-TARLE)

"Hyperosmolality and/or hypernatremia")

(SETF (GETHASH "1276.3" ICO9-HASH-TARLE)

"Mixed acid-base balance disorder")

(SETF (GETHASH "1276.1" ICO9-HASH-TARLE)

"Mixed acid-base balance disorder")

(SETF (GETHASH "1276.7" ICO9-HASH-TARLE)

"Mixed acid-base balance disorder")

(SETF (GETHASH "1276.7" ICO9-HASH-TARLE)

"SETF (GETHASH "1276.9" ICO9-HASH-TARLE)

(SETF (GETHASH "1276.9" ICO9-HASH-TARLE)

(SETF (GETHASH "1276.9" ICO9-HASH-TARLE)

"SETF (GETHASH "1276.9" ICO9-HASH-TARLE)

"SETF (GETHASH "1276.9" ICO9-HASH-TARLE)

"SETF (GETHASH "1276.9" ICO9-HASH-TARLE)

"SETF (GETHASH "1276.7" ICO9-HASH-TARLE)

"SETF (GETHASH "1276.9" ICO9-HASH-TARLE)

"SETF (GETHASH "1276.9" ICO9-HASH-TARLE)

"SETF (GETHASH "1276.9" ICO9-HASH-TARLE)

"SETF (GETHASH "1276.9" ICO9-HASH-TARLE)

"SETF (GETHASH "1276.1" ICO9-HASH-TARLE)

"SETF (GETHASH "1276.7" ICO9-HAS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Disorders of bilirubin excretion")
(GETHASH "277.5" ICD9-HASH-TABLE) "Mucopolysaccharidosis")
(GETHASH "277.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Other and unspecified disorders of metabolism")
(GETHASH "27.0" ICD9-HASH-TABLE) "Cystic fibrosis")
(GETHASH "27.00" ICD9-HASH-TABLE)
"Without more of meconium ileus")
(GETHASH "27.01" ICD9-HASH-TABLE)
(GETHASH "27.01" ICD9-HASH-TABLE)
(GETHASH "27.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF (GETHASH "275.4" ICD9-HASH-TABLE)

(SETF (GETHASH "275.4" ICD9-HASH-TABLE)

"Disorders of calcium metabolism")

(SETF (GETHASH "275.4" ICD9-HASH-TABLE)

"Unspecified disorder of calcium metabolism")

(SETF (GETHASH "275.41" ICD9-HASH-TABLE) "Hypocalcemia")

(SETF (GETHASH "275.42" ICD9-HASH-TABLE) "Hypocalcemia")

(SETF (GETHASH "275.49" ICD9-HASH-TABLE)

(SETF (GETHASH "275.49" ICD9-HASH-TABLE)

(SETF (GETHASH "275.8" ICD9-HASH-TABLE)

(SETF (GETHASH "275.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Other disorders of purine and pyrimidine metabolism")
(GETHASH '"277.3" ICD9-HASH-TABLE) "Amyloidosis")
(GETHASH '"277.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Disorders of porphyrin metabolism") (GETHASH ""277.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Disorders of magnesium metabolism") (GETHASH '"275.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Disorders of copper metabolism") (SETF (GETHASH '"275.2" ICD9-HASH-TABLE)
(GETHASH '"273.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
(SETF
                                                                                             (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SETF
SETF
SETF
SETF
SETF
SETF
SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
         (SETF
```

```
"Other deficiencies of circulating enzymes")

(SEPF (CERNAM "228" ZUGD-HASH-TABLE)

"Unspecified disorder of metabolism")

(SEPF (CERNAM "228" ZUGD-HASH-TABLE)

"Unspecified disorder of metabolism")

(SEPF (CERNAM "228.0" ZUGD-HASH-TABLE)

"Obesity", unspecified")

(SEPF (CERNAM "228.0" ZUGD-HASH-TABLE)

(SEPF (CERNAM "228.0" ZUGD-HASH-TABLE)

(SEPF (CERNAM "228.2" ZUGD-HASH-TABLE)

"Deficiency of humoral immunity")

(SEPF (CERNAM "229.0" ZUGD-HASH-TABLE)

"SEP (SETTAM "229.2)

"SEP (SETTAM "229.2" ZUGD-HASH-TABLE)

"SEP (SETTAM "229.2)

"S
```

```
(SETF (GETHASH "285." ILOD-HASH-TABLE) "Aplastic anemia, unspecified")
(SETF (GETHASH "285." ILOD-HASH-TABLE) "Aplastic anemia, unspecified")
(SETF (GETHASH "285." ILOD-HASH-TABLE) "Sideroblastic anemias")
(SETF (GETHASH "285.1" ILOD-HASH-TABLE) "Other and unspecified anemias")
(SETF (GETHASH "285.1" ILOD-HASH-TABLE) "Other specified anemias")
(SETF (GETHASH "285.8" ILOD-HASH-TABLE) "Other specified anemias")
(SETF (GETHASH "286.0" ILOD-HASH-TABLE) "Coagulation defects")
(SETF (GETHASH "286.0" ILOD-HASH-TABLE)
(SETF (GETHASH "286.1" ILOD-HASH-TABLE)
(SETF (GETHASH "286.2" ILOD-HASH-TABLE)
(SETF (GETHASH "286.2" ILOD-HASH-TABLE)
(SETF (GETHASH "286.3" ILOD-HASH-TABLE)
(SETF (GETHASH "286.4" ILOD-HASH-TABLE)
(SETF (GETHASH "286.4" ILOD-HASH-TABLE)
(SETF (GETHASH "286.4" ILOD-HASH-TABLE)
(SETF (GETHASH "286.4" ILOD-HASH-TABLE) "von Willebrand's disease")
(SETF (GETHASH "286.4" ILOD-HASH-TABLE) "von Willebrand's disease")
(SETF (GETHASH "286.4" ILOD-HASH-TABLE) "von Willebrand's disease")
                                                                                                                 (SETF (GETHASH "281.9" ICD9-HASH-TABLE) "Unspecified deficiency")
(SETF (GETHASH "281.9" ICD9-HASH-TABLE) "Unspecified deficiency anemia")
(SETF (GETHASH "282.1" ICD9-HASH-TABLE) "Hereditary themOlytic anemias")
(SETF (GETHASH "282.1" ICD9-HASH-TABLE) "Hereditary spherocytosis")
(SETF (GETHASH "282.1" ICD9-HASH-TABLE) "Hereditary spherocytosis")
(SETF (GETHASH "282.2" ICD9-HASH-TABLE)
"Anemias due to disorders of glutathione metabolism")
(SETF (GETHASH "282.3" ICD9-HASH-TABLE)
"Other hemolytic anemias due to enzyme deficiency")
(SETF (GETHASH "282.4" ICD9-HASH-TABLE)
"Other hemolytic anemias due to enzyme deficiency")
(SETF (GETHASH "282.5" ICD9-HASH-TABLE) "Thalassemias")
(SETF (GETHASH "282.6" ICD9-HASH-TABLE) "Sickle-cell trait")
(SETF (GETHASH "282.6" ICD9-HASH-TABLE) "Sickle-cell anemia")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "IP-S disease without mention of crisis")

ETF (GETHASH "282.62" ICD9-HASH-TABLE)

"Hb-S disease with mention of crisis")

"Hb-S disease with mention of crisis")

"ETF (GETHASH "282.63" ICD9-HASH-TABLE)

"ETF (GETHASH "282.69" ICD9-HASH-TABLE) "Other")

"ETF (GETHASH "282.8" ICD9-HASH-TABLE)

"OTHER SPECIFIED HEREIGHT HEREIGHT (GETHASH "282.8" ICD9-HASH-TABLE)

"OTHER SPECIFIED HEREIGHT HEREIGHT (GETHASH "282.9" ICD9-HASH-TABLE)

"Hereid tary hemolytic anemia, unspecified")

"ETF (GETHASH "283.9" ICD9-HASH-TABLE)

"ETF (GETHASH "283.0" ICD9-HASH-TABLE)
"Other specified megaloblastic anemias, not elsewhere classified")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Non-autoimmune hemolytic anemias")
(SETF (GETHASH "283.10" ICD9-HASH-TABLE)
"Non-autoimmune hemolytic anemia, unspecified")
(SETF (GETHASH "283.11" ICD9-HASH-TABLE) "Hemolytic-uremic syndrome")
(SETF (GETHASH "283.19" ICD9-HASH-TABLE)
                                 (GETHASH '"281.4" IČD9-HASH-TABLE) "Protein-deficiency anemia")
(GETHASH '"281.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Hemorrhagic disorder due to circulating anticoagulants")
(GETHASH "1286.6" ICD9-HASH-TABLE) "Defibrination syndrome")
(GETHASH "1286.7" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Hemoglobinuria due to hemolysis from external causes")
"Hemoglobinuria due to hemolysis from external causes")
(GETHASH "283.9" ICD9-HASH-TABLE)
"Acquired hemolytic anemia", unspecified")
(GETHASH "284.0" ICD9-HASH-TABLE) "Aplastic anemia")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Other non-autoimmune hemolytic anemias") (GETHASH '"283.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Sickle-cell anemia, unspecified")
(SETF (GETHASH "'282.61" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Constitutional aplastic anemia")
(GETHASH '"284.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
```

"Acquired coagulation factor deficiency")

```
SETF (CETHASH "728.7; UDD-MSH-TABLE)

SETF (CETHASH "728.9; UDD-MSH-TA
```

```
"Senile dementia with delusional features")

(SETF (GETHASH ""290.21" ICD9-HASH-TABLE)

"Senile dementia with depressive features")

(SETF (GETHASH ""290.4" ICD9-HASH-TABLE) "Senile dementia with delirium")

(SETF (GETHASH ""290.4" ICD9-HASH-TABLE)

"Arteriosclerotic dementia, uncomplicated")

(SETF (GETHASH ""290.4" ICD9-HASH-TABLE)

"Arteriosclerotic dementia with delirium")

(SETF (GETHASH ""290.4" ICD9-HASH-TABLE)

"Arteriosclerotic dementia with delirium")

(SETF (GETHASH ""290.4" ICD9-HASH-TABLE)

"Arteriosclerotic dementia with delusional features")

(SETF (GETHASH ""290.4" ICD9-HASH-TABLE)

"Arteriosclerotic dementia with depressive features")

(SETF (GETHASH ""290.8" ICD9-HASH-TABLE)

"Arteriosclerotic dementia with depressive features")

(SETF (GETHASH ""290.8" ICD9-HASH-TABLE)

"Other specified senile psychotic conditions")

(SETF (GETHASH ""290.9" ICD9-HASH-TABLE)

"Other specified senile psychotic conditions")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The contract of the sening psychotic condition")

"Unspecified sening psychotic condition")

ETF (GETHASH "291.0" ICD9-HASH-TABLE) "Alcoholic psychoses")

ETF (GETHASH "291.0" ICD9-HASH-TABLE) "Alcohol withdrawal delirium")

ETF (GETHASH "291.2" ICD9-HASH-TABLE) "Other alcoholic dementia")

ETF (GETHASH "291.3" ICD9-HASH-TABLE) "Other alcoholic dementia")

ETF (GETHASH "291.4" ICD9-HASH-TABLE)

"Alcohol withdrawal hallucinosis")

"ETF (GETHASH "291.5" ICD9-HASH-TABLE)

"ETF (GETHASH "291.5" ICD9-HASH-TABLE)

"ETF (GETHASH "291.5" ICD9-HASH-TABLE)

"ETF (GETHASH "291.8" ICD9-HASH-TABLE)

"ETF (GETHASH "291.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Transient organic psychotic conditions")
(GETHASH "293.0" ICD9-HASH-TABLE) "Acute delirium")
(GETHASH "293.1" ICD9-HASH-TABLE) "Subacute delirium")
(GETHASH "293.8" ICD9-HASH-TABLE)
"Other specified transient organic mental disorders")
(GETHASH "293.81" ICD9-HASH-TABLE) "Organic delusional syndrome")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Organic hallucinosis syndrome")
(GETHASH "293.83" ICD9-HASH-TABLE) "Organic affective syndrome")
(GETHASH "293.84" ICD9-HASH-TABLE) "Organic anxiety syndrome")
(GETHASH "293.99" ICD9-HASH-TABLE) "Other")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF (GETHASH "292.12" ICD9-HASH-TABLE)
(SETF (GETHASH "292.12" ICD9-HASH-TABLE)
(SETF (GETHASH "292.8" ICD9-HASH-TABLE)
(SETF (GETHASH "292.82" ICD9-HASH-TABLE)
(SETF (GETHASH "292.82" ICD9-HASH-TABLE)
(SETF (GETHASH "292.82" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Unspecified alcoholic psychosis")
(GETHASH "292" ICD9-HASH-TABLE) "Drug psychoses")
(GETHASH "292.0" ICD9-HASH-TABLE) "Drug withdrawal syndrome")
(GETHASH "292.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Other specified alcoholic psychosis")
(GETHASH "1291.8" ICD9-HASH-TABLE) "Alcohol withdrawl")
(GETHASH "1291.89" ICD9-HASH-TABLE) "Other")
(GETHASH "1291.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Paranoid and/or hallucinatory states induced by drugs") (SETF (GETHASH ""292.11" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Drug-induced organic affective syndrome")
(GETHASH "1292.88" ICD9-HASH-TABLE) "Other")
(GETHASH "1292.9" ICD9-HASH-TABLE)
"Unspecified drug-induced mental disorder")
(GETHASH "1293" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Drug-induced amnestic syndrome")
(SETF (GETHASH '"292.84" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
```

"Unspecified transient organic mental disorder")

```
(SETE (CETMASH "1994" ICDD-MASH-TABLE)

SETE (CETMASH "1994" ICDD-MASH-TABLE)

"Demental in conditions classified elsewhere")

SETE (CETMASH "1994 "ICDD-MASH-TABLE)

"Demental in conditions classified elsewhere")

"Other specified organic brain syndromes (chronic)")

"Other specified organic brain syndromes (chronic)")

"Unspecified organic brain syndromes (chronic)")

SETE (CETMASH "1994 "ICDD-MASH-TABLE")

"Unspecified organic brain syndromes (chronic)")

SETE (CETMASH "1995 "ICDD-MASH-TABLE")

"SETE (CETMASH "1995 "ICDD-MASH-TABLE")

SETE (CETMASH "1995 "ICDD-MASH-TABLE")

"Whatic depensaried depenses of schizophenia")

SETE (CETMASH "1995 "ICDD-MASH-TABLE")

"Whatic depensaried depenses of schizophenia")

SETE (CETMASH "1995 "ICDD-MASH-TABLE")

"Whatic depensaried depenses of schizophenia")

SETE (CETMASH "1995 "ICDD-MASH-TABLE")

"Whatic depensaried depenses of schizophenia")

SETE (CETMASH "1995 "ICDD-MASH-TABLE")

"Whatic depensaried depenses of schizophenia")

SETE (CETMASH "1996 "ICDD-MASH-TABLE")

"Whatic depensaried depenses of schizophenia")

SETE (CETMASH "1996 "ICDD-MASH-TABLE")

"Whatic depensaried depenses of schizophenia")

SETE (CETMASH "1996 "ICDD-MASH-TABLE")

"Whatic depensaried depenses of schizophenia")

SETE (CETMASH "1996 "ICDD-MASH-TABLE")

"Whatic depensaried depenses of schooler, springle order "manic"

SETE (CETMASH "1996 "ICDD-MASH-TABLE")

"Whatic depensaried depenses of schooler, springle order "manic"

SETE (CETMASH "1996 "ICDD-MASH-TABLE")

"Whatic depensaried depenses of schooler, springle order "manic"

SETE (CETMASH "1996 "ICDD-MASH-TABLE")

"Watic depensaried depenses of schooler, springle "Mash-TABLE")

"SETE (CETMASH "
```

```
(SETE (CERNASH "301.4" IOD9-NASH-TABLE)

(SETE (CERNASH "301.4" IOD9-NASH-TABLE)

(SETE (CERNASH "301.2" IOD9-NASH-TABLE)

(SETE (CERNASH "301.2" IOD9-NASH-TABLE)

"Histrionic personality of storder")

(SETE (CERNASH "301.2" IOD9-NASH-TABLE)

"Chronic factitious in liness with physical symptoms")

(SETE (CERNASH "301.2" IOD9-NASH-TABLE)

"Chronic factitious in personality of storder")

(SETE (CERNASH "301.2" IOD9-NASH-TABLE)

"Chronic factitious in personality of storder")

(SETE (CERNASH "301.2" IOD9-NASH-TABLE)

"CHRONIC factions in personality of storder")

(SETE (CERNASH "301.2" IOD9-NASH-TABLE)

"CHRONIC factions in personality of storder")

(SETE (CERNASH "301.2" IOD9-NASH-TABLE)

"CHRONIC factions in personality of storder")

(SETE (CERNASH "301.2" IOD9-NASH-TABLE)

"CHRONIC factions in personality of storder")

(SETE (CERNASH "301.2" IOD9-NASH-TABLE)

"CHRONIC factions "301.2" IOD9-NASH-TABLE)

"CHRONIC factions "301.2" IOD9-NASH-TABLE)

"CHRONIC factions "301.2" IOD9-NASH-TABLE)

"SETE (CERNASH "302.2" IOD9-NASH-TABLE)

"SETE (CERNASH "3
```

```
"Psychogenic genitournary malfunction, unspecified")
EETE (GETHASH "306.51" ICD9-HASH-TABLE) "Psychogenic vaginismus")
EETE (GETHASH "306.51" ICD9-HASH-TABLE) "Psychogenic dysmenorrhea")
EETE (GETHASH "306.59" ICD9-HASH-TABLE) "Psychogenic dysmenorrhea")
EETE (GETHASH "306.59" ICD9-HASH-TABLE) "Cother")
EETE (GETHASH "306.6" ICD9-HASH-TABLE) "Ordans of special sense")
EETE (GETHASH "306.8" ICD9-HASH-TABLE) "Organs of special sense")
EETE (GETHASH "306.8" ICD9-HASH-TABLE)
"Unspecified psychophysiological malfunction")
EETE (GETHASH "306.9" ICD9-HASH-TABLE)
"Unspecified psychophysiological malfunction")
EETE (GETHASH "307.1" ICD9-HASH-TABLE) "Stammering and stuttering")
EETE (GETHASH "307.2" ICD9-HASH-TABLE) "Anorexia nervosa")
EETE (GETHASH "307.2" ICD9-HASH-TABLE) "Tic disorder, unspecified")
EETE (GETHASH "307.2" ICD9-HASH-TABLE) "Tic disorder")
EETE (GETHASH "307.2" ICD9-HASH-TABLE) "Tic disorder")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Combinations of drug dependence excluding opioid type drug")
ETF (CETHASH "1304.9" ICD9-HASH-TABLE) "Unspecified drug dependence")
ETF (CETHASH "1305. ICD9-HASH-TABLE) "Nondependent abuse of drugs")
ETF (CETHASH "1305. ICD9-HASH-TABLE) "Nondependent abuse of drugs")
ETF (CETHASH "1305. ICD9-HASH-TABLE) "Tobacco use disorder")
ETF (CETHASH "1305. ICD9-HASH-TABLE) "Tobacco use disorder")
ETF (CETHASH "1305. ICD9-HASH-TABLE) "Hallucinogen abuse")
ETF (CETHASH "1305. ICD9-HASH-TABLE) "Hallucinogen abuse")
ETF (CETHASH "1305. ICD9-HASH-TABLE) "Graine abuse")
ETF (CETHASH "1305. ICD9-HASH-TABLE) "Opioid abuse")
ETF (CETHASH "1305. ICD9-HASH-TABLE) "Opioid abuse")
ETF (CETHASH "1305. ICD9-HASH-TABLE) "Cocaine abuse")
ETF (CETHASH "1305. ICD9-HASH-TABLE) "Cocaine abuse")
ETF (CETHASH "1305. ICD9-HASH-TABLE) "Cocaine abuse")
(SETF (GETHASH ""304.0" ICD9-HASH-TABLE) "Opioid type dependence")
(SETF (GETHASH ""304.1" ICD9-HASH-TABLE)
"Barbiturate and similarly acting sedative or hypnotic dependence")
(SETF (GETHASH ""304.2" ICD9-HASH-TABLE) "Cocaine dependence")
(SETF (GETHASH "304.4" ICD9-HASH-TABLE) "Cannabis dependence")
(SETF (GETHASH ""304.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The Maphesan Sos. (1909-MSAI-TABLE) "Antidepressant type abuse")
EFF (GETHASH "305.8" ICD9-MSAI-TABLE) "Antidepressant type abuse")
EFF (GETHASH "305.9" ICD9-MSAI-TABLE)
"Other, mixed, or unspecified drug abuse")
ETF (GETHASH "306" ICD9-MSAI-TABLE)
"Physiological maifunction arising from mental factors")
ETF (GETHASH "306.0" ICD9-MSAI-TABLE) "Musculoskeletal")
ETF (GETHASH "306.0" ICD9-MSAI-TABLE) "Respiratory")
ETF (GETHASH "306.1" ICD9-MSAI-TABLE) "Respiratory")
ETF (GETHASH "306.1" ICD9-MSAI-TABLE) "Respiratory")
ETF (GETHASH "306.1" ICD9-MSAI-TABLE) "Gardiovascular")
ETF (GETHASH "306.3" ICD9-MSAI-TABLE) "Gardiovascular")
ETF (GETHASH "306.5" ICD9-MSAI-TABLE) "Gardiovascular")
                                                                                                                                                                                                                                                    "Amphetamine and other psychostimulant dependence")
(SETF (GETHASH "304.5" ICD9-HASH-TABLE) "Hallucinogen dependence")
(SETF (GETHASH "304.6" ICD9-HASH-TABLE)
"Other specified drug dependence")
(SETF (GETHASH "304.7" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Gilles de la Tourette's disorder")
(SETF (GETHASH "307.3" ICD9-HASH-TABLE)
"Stereotyped repetitive movements")
(SETF (GETHASH "307.4" ICD9-HASH-TABLE)
"Specific disorders of sleep of nonorganic origin")
                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Combinations of opioid type drug with any other") (SETF (GETHASH "304.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF (GETHASH ""307.40" ICD9-HASH-TABLE)
"Nonorganic sleep disorder, unspecified")
(SETF (GETHASH ""307.41" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
(SETF
```

```
CETT (GETHASH "308. ICD9-HASH-TABLE)"

(SETF (GETHASH "308. ICD9-HASH-TABLE)"

(SETF (GETHASH "308.0" ICD9-HASH-TABLE)

(SETF (GETHASH "308.0" ICD9-HASH-TABLE)

(SETF (GETHASH "308.0" ICD9-HASH-TABLE)

"Predominant disturbance of enortions")

(SETF (GETHASH "308.2" ICD9-HASH-TABLE)

"Predominant psychomotor disturbance")

(SETF (GETHASH "308.2" ICD9-HASH-TABLE)

"Other acute reactions to stress")

(SETF (GETHASH "308.4" ICD9-HASH-TABLE)

"Other acute reactions to stress")

(SETF (GETHASH "308.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Wixed disorders as reaction to stress")

(GETHASH "308.9" ICD9-HASH-TABLE)

(GETHASH "309." ICD9-HASH-TABLE) "Adjustment reaction")

(GETHASH "309." ICD9-HASH-TABLE) "Brief depressive reaction")

(GETHASH "309.1" ICD9-HASH-TABLE) "Rolonged depressive reaction")

(GETHASH "309.1" ICD9-HASH-TABLE)

"With predominant disturbance of other emotions")

(GETHASH "309.2" ICD9-HASH-TABLE)

(GETHASH "309.2" ICD9-HASH-TABLE)

(GETHASH "309.22" ICD9-HASH-TABLE)

(GETHASH "309.22" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Other and unspecified disorders of eating")
(GETHASH "307.50" ICD9-HASH-TABLE) "Eating disorder, unspecified")
(GETHASH "307.51" ICD9-HASH-TABLE) "Bulimia")
(GETHASH "307.52" ICD9-HASH-TABLE) "Pica")
(GETHASH "307.53" ICD9-HASH-TABLE) "Psychogenic rumination")
(GETHASH "307.53" ICD9-HASH-TABLE) "Psychogenic romiting")
(GETHASH "307.54" ICD9-HASH-TABLE) "Psychogenic romiting")
(GETHASH "307.6" ICD9-HASH-TABLE) "Enuresis")
(GETHASH "307.6" ICD9-HASH-TABLE) "Encopresis")
(GETHASH "307.8" ICD9-HASH-TABLE) "Encopresis")
(GETHASH "307.80" ICD9-HASH-TABLE)
(GETHASH "307.80" ICD9-HASH-TABLE)
                                                                                                                                   CETHASH "307.44" ICD9-HASH-TABLE)

(SETF (GETHASH "307.44" ICD9-HASH-TABLE)

"Persistent disorder of initiating or maintaining wakefulness")

(SETF (GETHASH "307.44" ICD9-HASH-TABLE)

"Phase-shift disruption of 24-hour sleep-wake cycle")

(SETF (GETHASH "307.46" ICD9-HASH-TABLE)

"Sommambulism or night terrors")

(SETF (GETHASH "307.44" ICD9-HASH-TABLE)

"Other dysfunctions of sleep stages or arousal from sleep")

(SETF (GETHASH "307.48" ICD9-HASH-TABLE)

"Repetitive intrusions of sleep")

(SETF (GETHASH "307.5" ICD9-HASH-TABLE)

(SETF (GETHASH "307.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Emancipation disorder of adolescence and early adult life") (GETHASH '"309.23" ICD9-HASH-TABLE)
"Transient disorder of initiating or maintaining sleep") (SETF (GETHASH ""307.42" ICD9-HASH-TABLE)
"Persistent disorder of initiating or maintaining sleep") (SETF (GETHASH ""307.43" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Psychogenic pain, site unspecified")
(GETHASH ""307.81" ICD9-HASH-TABLE) "Tension headache")
(GETHASH ""307.89" ICD9-HASH-TABLE) "Other")
(GETHASH ""307.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Adjustment reaction with mixed emotional features")
(SETF (GETHASH "309.29" ICD9-HASH-TABLE) "Other")
(SETF (GETHASH "309.3" ICD9-HASH-TABLE)
"With predominant disturbance of conduct")
(SETF (GETHASH "309.4" ICD9-HASH-TABLE)
"With mixed disturbance of emotions and conduct")
(SETF (GETHASH "309.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Adjustment reaction with anxious mood") (GETHASH '"309.28" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Specific academic or work inhibition")
(SETF (GETHASH '"309.24" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
```

```
"Other specified nonpsychotic mental disorders following organic brain damage")
(GETHASH ""310.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF (GETHASH "311" ICD9-HASH-TABLE)

(SETF (GETHASH "311" ICD9-HASH-TABLE)

(SETF (GETHASH "312" ICD9-HASH-TABLE)

(SETF (GETHASH "312" ICD9-HASH-TABLE)

(SETF (GETHASH "312." ICD9-HASH-TABLE)

(SETF (GETHASH "312.0" ICD9-HASH-TABLE)

(SETF (GETHASH "312.0" ICD9-HASH-TABLE)

"Undersocialized conduct disorder, aggressive type")

(SETF (GETHASH "312.1" ICD9-HASH-TABLE)

"Undersocialized conduct disorder, unaggressive type")

(SETF (GETHASH "312.2" ICD9-HASH-TABLE)

"SETF (GETHASH "312.3" ICD9-HASH-TABLE)

"Disorders of impulse control, not elsewhere classified")

(SETF (GETHASH "312.3" ICD9-HASH-TABLE)

"Disorders of impulse control, not elsewhere classified")

"Thunles Control disorder misnocialized control disorder misnorialized misnorialized misnorialized misnorialized misnorialized misnorialized misnorialized misnorialize
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Specific nonpsychotic mental disorders due to organic brain damage") (GETHASH "310.0" ICD9-HASH-TABLE) "Frontal lobe syndrome") (GETHASH "310.1" ICD9-HASH-TABLE) "Organic personality syndrome") (GETHASH "310.2" ICD9-HASH-TABLE) "Postconcussion syndrome") (GETHASH "310.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Introverted disorder of childhood")
(SETF (GETHASH "313.23" ICD9-HASH-TABLE) "Elective mutism")
(SETF (GETHASH "313.3" ICD9-HASH-TABLE) "Relationship problems")
(SETF (GETHASH "313.8" ICD9-HASH-TABLE) "Relationship problems")
(SETF (GETHASH "313.8" ICD9-HASH-TABLE)
(SETF (GETHASH "313.81" ICD9-HASH-TABLE) "Oppositional disorder")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Other specified disturbances of conduct, not elsewhere classified")
"GETHASH "312.81" ICD9-HASH-TABLE)
"Conduct disorder, childhood onset type")
(GETHASH "312.82" ICD9-HASH-TABLE)
"Conduct disorder, adolescent onset type")
(GETHASH "312.8" ICD9-HASH-TABLE) "Other conduct disorder")
(GETHASH "312.9" ICD9-HASH-TABLE) "Other conduct disorder")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Impulse control disorder, unspecified").
(GETHASH "312.31" ICD9-HASH-TABLE) "Pathological gambling")
(GETHASH "312.32" ICD9-HASH-TABLE) "Kleptomania")
(GETHASH "312.34" ICD9-HASH-TABLE) "Pyromania")
(GETHASH "312.34" ICD9-HASH-TABLE)
"Intermittent explosive disorder")
(GETHASH "312.39" ICD9-HASH-TABLE) "Isolated explosive disorder")
(GETHASH "312.39" ICD9-HASH-TABLE) "Other")
(GETHASH "312.4" ICD9-HASH-TABLE) "Other")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF (GETHASH "313" ICD9-HASH-TABLE)
"Disturbance of emortions specific to childhood and adolescence")
(SETF (GETHASH "313.0" ICD9-HASH-TABLE) "Overanxious disorder")
(SETF (GETHASH "313.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF (GETHASH "313.2" ICD9-HASH-TABLE)
(SETF (GETHASH "313.2" ICD9-HASH-TABLE)
"Sensitivity, shyness, and social withdrawal disorder")
(SETF (GETHASH "313.21" ICD9-HASH-TABLE)
"Shyness disorder of childhood")
(SETF (GETHASH "313.22" ICD9-HASH-TABLE)
"Topt-nowerpad disorder of childhood")
"Other specified adjustment reactions")
"It (GETHASH "309.81" ICD9-HASH-TABLE)
"Prolonged posttraumatic stress disorder")
"If (GETHASH "309.82" ICD9-HASH-TABLE)
"Adjustment reaction with physical symptoms")
"If (GETHASH "309.89" ICD9-HASH-TABLE)
"Adjustment reaction with withdrawal")
"Adjustment reaction with withdrawal")
"If (GETHASH "309.9" ICD9-HASH-TABLE)
"IF (GETHASH "309.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Mixed disturbance of conduct and emotions")
(GETHASH '"312.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Unspecified disturbance of conduct")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Unspecified adjustment reaction") (SETF (GETHASH "310" ICD9-HASH-TABLE)
                                                                                                                                                              (SETF (GETHASH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
(SETF
                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
                                                                                                                                                                                                                                                                             (SETF
```

```
"Esychic factors associated with diseases classified elsewhere")
ETF (GETHASH "317" ICD9-HASH-TABLE) "Wild mental retardation")
ETF (GETHASH "318" ICD9-HASH-TABLE) "Wild mental retardation")
ETF (GETHASH "318.0" ICD9-HASH-TABLE) "Woderate mental retardation")
ETF (GETHASH "318.1" ICD9-HASH-TABLE) "Severe mental retardation")
ETF (GETHASH "318.2" ICD9-HASH-TABLE) "Porfound mental retardation")
ETF (GETHASH "318.2" ICD9-HASH-TABLE) "Profound mental retardation")
ETF (GETHASH "320." ICD9-HASH-TABLE) "Bacterial meningitis")
ETF (GETHASH "320.0" ICD9-HASH-TABLE) "Renophilus meningitis")
ETF (GETHASH "320.1" ICD9-HASH-TABLE) "Streptococcal meningitis")
ETF (GETHASH "320.3" ICD9-HASH-TABLE) "Streptococcal meningitis")
ETF (GETHASH "320.3" ICD9-HASH-TABLE) "Streptococcal meningitis")
ETF (GETHASH "320.7" ICD9-HASH-TABLE) "Streptococcal meningitis")
ETF (GETHASH "320.7" ICD9-HASH-TABLE) "Streptococcal meningitis")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF, (GETHASH "320.8" ICD9-HASH-TABLE)

(SETF (GETHASH "320.8" ICD9-HASH-TABLE)

"Meningitis due to other specified bacteria")

(SETF (GETHASH "320.8" ICD9-HASH-TABLE) "Anaerobic meningitis")

(SETF (GETHASH "320.8" ICD9-HASH-TABLE)

"Meningitis due to gram-negative bacteria, not elsewhere classified")

(SETF (GETHASH "320.89" ICD9-HASH-TABLE)

"Meningitis due to other specified bacteria")
                                                                                                                                                                                                                           "Hyperkinetic syndrome of childhood")

(SETF (GETHASH "314.0" ICD9-HASH-TABLE)

(SETF (GETHASH "314.00" ICD9-HASH-TABLE)

(SETF (GETHASH "314.00" ICD9-HASH-TABLE)

(SETF (GETHASH "314.01" ICD9-HASH-TABLE)

(SETF (GETHASH "314.1" ICD9-HASH-TABLE)

(SETF (GETHASH "314.1" ICD9-HASH-TABLE)

(SETF (GETHASH "314.2" ICD9-HASH-TABLE)

(SETF (GETHASH "314.8" ICD9-HASH-TABLE)

"Other specified manifestations of hyperkinetic syndrome")

(SETF (GETHASH "314.9" ICD9-HASH-TABLE)

"Other specified manifestations of hyperkinetic syndrome")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Unspecified hyperKinetic syndrome")
(GETHASH "315." ICD9-HASH-TABLE) "Specific delays in development")
(GETHASH "315.0" ICD9-HASH-TABLE) "Specific reading disorder")
(GETHASH "315.0" ICD9-HASH-TABLE)
"Reading disorder, unspecified")
(GETHASH "315.0" ICD9-HASH-TABLE) "Alexia")
(GETHASH "315.0" ICD9-HASH-TABLE) "Developmental dyslexia")
(GETHASH "315.0" ICD9-HASH-TABLE) "Other")
(GETHASH "315.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Developmental speech or language disorder")
(GETHASH "31.31" ICD9-HASH-TABLE)
'Developmental language disorder")
(GETHASH "31.31" ICD9-HASH-TABLE)
"Receptive language disorder (mixed)")
(GETHASH "31.31.4" ICD9-HASH-TABLE) "Other")
(GETHASH "31.5" ICD9-HASH-TABLE) "Gordination disorder")
(GETHASH "31.5" ICD9-HASH-TABLE) "Mixed development disorder")
(GETHASH "31.5" ICD9-HASH-TABLE) "Mixed development disorder")
(GETHASH '"313.82" ICD9-HASH-TABLE) "Identity disorder")
(GETHASH '"313.83" ICD9-HASH-TABLE)
                                                              (SETF (GETHASH "1313.89" ICO9-HASH-TABLE)
(SETF (GETHASH "1313.9" ICO9-HASH-TABLE)
(SETF (GETHASH "1313.9" ICO9-HASH-TABLE)
(SETF (GETHASH "1314" ICO9-HASH-TABLE)
(SETF (GETHASH "1314" ICO9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Other specified delays in development")
(GETHASH "315.9" ICD9-HASH-TABLE)
"Unspecified delay in development")
(GETHASH "316" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Specific arithmetical disorder")
(GETHASH "313.2" IDD-HASH-TABLE)
"Other specific learning difficulties")
(GETHASH "315.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
      (SETF )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
```

```
Cerebral degenerations usually manifest in childhood")

(GETHASH "330.0" ICO9-HASH-TABLE) "Leukodystrophy")

(GETHASH "330.1" ICO9-HASH-TABLE) "Cerebral lipidoses")

(GETHASH "330.2" ICO9-HASH-TABLE)

(GETHASH "330.2" ICO9-HASH-TABLE)

(GETHASH "330.3" ICO9-HASH-TABLE)

"Cerebral degeneration in generalized lipidoses")

"Cerebral degeneration of childhood in other diseases classified elsewhere")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Meningitis due to other nonbacterial organisms classified elsewhere")
(GETHASH "322" ICD9-HASH-TABLE) "Meningitis of unspecified cause")
(GETHASH "322.0" ICD9-HASH-TABLE) "Monpyogenic meningitis")
(GETHASH "322.1" ICD9-HASH-TABLE) "Carinophilic meningitis")
(GETHASH "322.2" ICD9-HASH-TABLE) "Chronic meningitis")
(GETHASH "322.9" ICD9-HASH-TABLE) "Meningitis, unspecified")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF (GETHASH "331." ICD9-HASH-TABLE) "Other cerebral degenerations")
(SETF (GETHASH "331." ICD9-HASH-TABLE) "ATAbreimer's disease")
(SETF (GETHASH "331.1" ICD9-HASH-TABLE) "ATAbreimer's disease")
(SETF (GETHASH "331.2" ICD9-HASH-TABLE) "Pick's disease")
(SETF (GETHASH "331.3" ICD9-HASH-TABLE) "Communication of brain")
(SETF (GETHASH "331.3" ICD9-HASH-TABLE) "Communication hydrocephalus")
(SETF (GETHASH "331.4" ICD9-HASH-TABLE) "Obstructive hydrocephalus")
(SETF (GETHASH "331.4" ICD9-HASH-TABLE) "Communication diseases at (GETHASH "331.3" ICD9-HASH-TABLE) "Sesting de alsewhere")
(SETF (GETHASH "331.3" ICD9-HASH-TABLE) "Reye's syndrome")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF (GETHASH "323.6" ICD9-HASH-TABLE) "Postinfectious encephalitis") (SETF (GETHASH "323.6" ICD9-HASH-TABLE) "Postinfectious encephalitis") (SETF (GETHASH "323.7" ICD9-HASH-TABLE) "Toxic encephalitis") (SETF (GETHASH "323.9" ICD9-HASH-TABLE) "Other causes of encephalitis") (SETF (GETHASH "323.9" ICD9-HASH-TABLE) "Unspecified cause of encephalitis") (SETF (GETHASH "324" ICD9-HASH-TABLE) "SETF (GETHASH "324" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF (GETHASH "324.0" ICD9-HASH-TABLE) "Intracranial abscess")

(SETF (GETHASH "324.0" ICD9-HASH-TABLE) "Intracranial abscess")

(SETF (GETHASH "324.9" ICD9-HASH-TABLE) "Intraspinal abscess")

(SETF (GETHASH "325" ICD9-HASH-TABLE) "Of unspecified site")

(SETF (GETHASH "325" ICD9-HASH-TABLE)

"Phiebitis and thrombophlebitis of intracranial venous sinuses")

(SETF (GETHASH "326" ICD9-HASH-TABLE)

"Late effects of intracranial abscess or pyogenic infection")

(SETF (GETHASH "330" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                         "Meningitis due to trypanosomiasis")
(GETHASH '"321.4" ICD9-HASH-TABLE) "Meningitis in sarcoidosis")
(GETHASH '"321.8" ICD9-HASH-TABLE)
                             "Meningitis due to unspecified bacterium")
(SETF (GETHASH "321" ICD9-HASH-TABLE)
"Meningitis due to other organisms")
(SETF (GETHASH "321.0" ICD9-HASH-TABLE)
(SETF (GETHASH "321.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Encephalitis in viral diseases classified elsewhere")

"Encephalitis in viral diseases classified elsewhere")

(SETF (GETHASH "1323." ICD9-HASH-TABLE)

"Encephalitis in rickettsial diseases classified elsewhere")

"Encephalitis in protozoal diseases classified elsewhere")

(SETF (GETHASH "1323.4" ICD9-HASH-TABLE)

"Other encephalitis due to infection classified elsewhere")

(SETF (GETHASH "1323.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Other specified cerebral degenerations in childhood") (SETF (GETHASH ""330.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                               "Meningitis due to viruses not elsewhere classified")
(GETHASH '"321.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Encephalitis, myelitis, and encephalomyelitis") (SETF (GETHASH "323.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                    "Meningitis in other fungal diseases")
(GETHASH '"321.2" ICD9-HASH-TABLE)
(GETHASH '"320.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF (
(SETF
                                                                                                                                                                                                                                                                         (SETF
                                                                                                                                                                                                                                                                                                                                                    (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
(SETF
(SETF
```

```
"Other and unspecified extrapyramidal diseases and abnormal movement disorders") (GETHASH ""333.90" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                               "ESSENTIAL GOP-MASH-TABLE"
"ESSENTIAL DEPARTATION OF TREMON")
ETF (CETHASH "333.2" ICD9-HASH-TABLE" "Myoclonus")
ETF (CETHASH "333.4" ICD9-HASH-TABLE" "Tics of organic origin")
ETF (CETHASH "333.4" ICD9-HASH-TABLE" "Huntington's chorea")
ETF (CETHASH "333.5" ICD9-HASH-TABLE" "Idiopathic torsion dystonia")
ETF (CETHASH "333.5" ICD9-HASH-TABLE" "Idiopathic torsion dystonia")
ETF (CETHASH "333.8" ICD9-HASH-TABLE" "Symptomatic torsion dystonia")
ETF (CETHASH "333.8" ICD9-HASH-TABLE" "Symptomatic torsion dystonia")
ETF (CETHASH "333.8" ICD9-HASH-TABLE" "Spasmodic torticollis")
ETF (CETHASH "333.8" ICD9-HASH-TABLE" "Orfacial dyskinesia")
ETF (CETHASH "333.8" ICD9-HASH-TABLE" "Orfacial dyskinesia")
ETF (CETHASH "333.8" ICD9-HASH-TABLE" "Organic writers' cramp")
ETF (CETHASH "333.8" ICD9-HASH-TABLE") "Organic writers' cramp")
ETF (CETHASH "333.8" ICD9-HASH-TABLE") "Organic writers' cramp")
ETF (CETHASH "333.8" ICD9-HASH-TABLE") "Organic writers' cramp")
ETF (CETHASH "333.8" ICD9-HASH-TABLE")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Unspecified extrapyramidal disease and abnormal movement disorder") (GETHASH "333.91" ICD9-HASH-TABLE) "Stiff-man syndrome") (GETHASH "333.92" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Neuroleptic malignant syndrome")

"Neuroleptic malignant syndrome")

(GETHASH "333.93" ICD9-HASH-TABLE) "Other")

(GETHASH "334.9" ICD9-HASH-TABLE) "Spinocerebellar disease")

(GETHASH "334.0" ICD9-HASH-TABLE) "Friedreich's ataxia")

(GETHASH "334.1" ICD9-HASH-TABLE) "Hereditary spastic paraplegia")

(GETHASH "334.2" ICD9-HASH-TABLE)

(GETHASH "334.2" ICD9-HASH-TABLE)

(GETHASH "334.4" ICD9-HASH-TABLE)

(GETHASH "334.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Amyotrophic lateral sclenosis")
(GETHASH "1335.21" ICD9-HASH-TABLE" "Progressive muscular atrophy")
(GETHASH "1335.23" ICD9-HASH-TABLE" "Progressive bulbar palsy")
(GETHASH "1335.23" ICD9-HASH-TABLE" "Pseudobulbar palsy")
(GETHASH "1335.24" ICD9-HASH-TABLE" "Primary lateral sclerosis")
(GETHASH "1335.8" ICD9-HASH-TABLE" "Other")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Spinal muscular atrophy, unspecified")
(GETHASH "335.11" ICD9-HASH-TABLE) "Kugelberg-Welander disease")
(GETHASH "335.12" ICD9-HASH-TABLE) "Other")
(GETHASH "335.2" ICD9-HASH-TABLE) "Motor neuron disease")
(GETHASH "335.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Anterior horn cell disease, unspecified")
(GETHASH ""336" ICD9-HASH-TABLE) "Other diseases of spinal cord")
(GETHASH ""336.0" ICD9-HASH-TABLE)
                                                    "Cerebral degeneration, unspecified")
(GETHASH "332" ICD9-HASH-TABLE") Parkinson's disease")
(GETHASH "332" ICD9-HASH-TABLE") Paralysis agitans")
(GETHASH "332.1" ICD9-HASH-TABLE) "Secondary Parkinsonism")
(GETHASH "333" ICD9-HASH-TABLE)
(GETHASH "333" ICD9-HASH-TABLE)
(GETHASH "333.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Cerebellar ataxia indiseases classified elsewhere")
(GETHASH "334.8" ICD9-HASH-TABLE)
"Other spinocerebellar diseases")
(GETHASH "334.9" ICD9-HASH-TABLE)
"Spinocerebellar disease, unspecified")
(GETHASH "335" ICD9-HASH-TABLE) "Merdnig-Hoffmann disease")
(GETHASH "335.1" ICD9-HASH-TABLE) "Werdnig-Hoffmann disease")
(GETHASH "335.1" ICD9-HASH-TABLE) "Spinal muscular atrophy")
                                                                                                                                                                                                                                                        Other degenerative diseases of the basal ganglia")
GETHASH '"333.1" ICD9-HASH-TABLE)
   (GETHASH '"331.89" ICD9-HASH-TABLE) "Other")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Other anterior horn cell diseases")
(GETHASH '"335.9" ICD9-HASH-TABLE)
                           (GETHASH '"331.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                             (GETHASH
                                                                                  (SETF
                                                                                                                                                                                                                                  (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                    (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                                                                                                                                                                                                          (SETF
                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
(SETF
(SETF
(SETF
```

```
(SET GCTHASH 1736.2. ILOB-MASH-TARE)

SET GCTHASH 1736.2. ILOB-MASH-TARE)

SET GCTHASH 1736.2. ILOB-MASH-TARE)

Subcate combined degeneration of spinal cord in diseases classified elsewhere")

(SET GCTHASH 1736.2. ILOB-MASH-TARE)

The propertied diseases of spinal cord in diseases classified elsewhere")

(SET GCTHASH 1736.2. ILOB-MASH-TARE)

SET GCTHASH 1736.2. ILOB-MASH-TARE)

(SET GCTHASH 1736.2. ILOB-MASH-TARE)

SET GCTHASH 1736.2. ILOB-MASH-TARE)

(SET GCTHASH 1737.2. ILOB-MASH-TARE)

SET GCTHASH 1731.2. ILOB-MASH-TARED

SET GCTHASH 1731.2. ILOB-MASH-TARED
```

```
"Bartial epilepsy, without mention of impairment of consciousness")
"ETF (CETHASH "345.6" ICD9-HASH-TARLE) "Epilepsia partialis continua")
ETF (CETHASH "345.8" ICD9-HASH-TARLE) "Epilepsia partialis continua")
ETF (CETHASH "345.8" ICD9-HASH-TARLE) "Epilepsy, unspecified")
ETF (CETHASH "346.0" ICD9-HASH-TARLE) "Epilepsy, unspecified")
ETF (CETHASH "346.0" ICD9-HASH-TARLE) "Glassical migraine")
ETF (CETHASH "346.1" ICD9-HASH-TARLE) "Classical migraine")
ETF (CETHASH "346.2" ICD9-HASH-TARLE) "Other (forms of migraine")
ETF (CETHASH "346.9" ICD9-HASH-TARLE) "Other (forms of migraine")
ETF (CETHASH "346.9" ICD9-HASH-TARLE) "Charley and narcolepsy")
ETF (CETHASH "346.9" ICD9-HASH-TARLE) "Cataplexy and narcolepsy")
ETF (CETHASH "348.0" ICD9-HASH-TARLE) "Cerebral cysts")
ETF (CETHASH "348.0" ICD9-HASH-TARLE) "Cerebral cysts")
ETF (CETHASH "348.1" ICD9-HASH-TARLE) "Cerebral cysts")
ETF (CETHASH "348.1" ICD9-HASH-TARLE) "Cerebral cysts")
ETF (CETHASH "348.1" ICD9-HASH-TARLE) "Anoxic brain damage")
ETF (GETHASH "'344.40" ICD9-HASH-TABLE) "Affecting unspecified side")
EFF (GETHASH "'344.41" ICD9-HASH-TABLE) "Affecting dominant side")
EFF (GETHASH "'344.42" ICD9-HASH-TABLE) "Affecting dominant side")
EFF (GETHASH "'344.6" ICD9-HASH-TABLE) "Unspecified monoplegia")
EFF (GETHASH "'344.6" ICD9-HASH-TABLE) "Cauda equina syndrome")
EFF (GETHASH "'344.6" ICD9-HASH-TABLE) "With neurogenic bladder")
EFF (GETHASH "'344.6" ICD9-HASH-TABLE) "With neurogenic bladder")
EFF (GETHASH "'344.8" ICD9-HASH-TABLE) "Other specified paralytic syndromes")
EFF (GETHASH "'344.8" ICD9-HASH-TABLE)
EFF (GETHASH "'344.8" ICD9-HASH-TABLE) "Locked-in state")
EFF (GETHASH "'344.8" ICD9-HASH-TABLE) "EFF (GETHASH "'344.8" ICD9-HASH-TABLE) "Locked-in state")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Benign intracranial hypertension")
(GETHASH "348.3" ICD9-HASH-TABLE) "Encephalopathy, unspecified")
(GETHASH "348.4" ICD9-HASH-TABLE) "Compression of brain")
(GETHASH "348.5" ICD9-HASH-TABLE) "Cerebral edema")
(GETHASH "348.8" ICD9-HASH-TABLE) "Other conditions of brain")
(GETHASH "348.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Nervous system complications from surgically implanted device") (GETHASH ""349.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Unspecified disorders of nervous system")
(GETHASH "1350" ICD9-HASH-TABLE) "Trigeminal nerve disorders")
(GETHASH "1350.1" ICD9-HASH-TABLE) "Trigeminal neuralgia")
(GETHASH "1350.2" ICD9-HASH-TABLE) "Atypical face pain")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Other specified paralytic syndrome")

(SETF (GETHASH "344.9" ICD9-HASH-TABLE) "Paralysis, unspecified")

(SETF (GETHASH "345.0" ICD9-HASH-TABLE) "Epilepsy")

(SETF (GETHASH "345.0" ICD9-HASH-TABLE)
"Generalized nonconvulsive epilepsy")

(SETF (GETHASH "345.1" ICD9-HASH-TABLE)
"Generalized convulsive epilepsy")

(SETF (GETHASH "345.2" ICD9-HASH-TABLE) "Petit mal status")

(SETF (GETHASH "345.3" ICD9-HASH-TABLE) "Grand mal status")

(SETF (GETHASH "345.4" ICD9-HASH-TABLE)

(SETF (GETHASH "345.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Other specified disorders of nervous system")
(GETHASH "349.81" ICD9-HASH-TABLE)
(GETHASH "349.82" ICD9-HASH-TABLE)
(GETHASH "349.82" ICD9-HASH-TABLE) "Toxic encephalopathy")
(GETHASH "349.82" ICD9-HASH-TABLE) "Other")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Unspecified condition of brain")
(GEHASH "1349" ICD9-HASH-TABLE)
"Other and unspecified disorders of the nervous system")
(GETHASH "1349.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Partial epilepsy, with impairment of consciousness")
(SETF (GETHASH ""345.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Disorders of meninges, not elsewhere classified")
(GETHASH '"349.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Reaction to spinal or lumbar puncture")
(GETHASH '"349.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SET | SET |
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
                     SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
```

```
CSETF (GETHASH "3354.9" ICD9-HASH-TABLE)

(SETF (GETHASH "3354.9" ICD9-HASH-TABLE)

(SETF (GETHASH "355.9" ICD9-HASH-TABLE) "Mononeuritis of lower limb")

(SETF (GETHASH "355.0" ICD9-HASH-TABLE) "Lesion of sciatic nerve")

(SETF (GETHASH "355.1" ICD9-HASH-TABLE) "Neralgia paresthetica")

(SETF (GETHASH "355.2" ICD9-HASH-TABLE) "Other lesion of femoral nerve")

(SETF (GETHASH "355.3" ICD9-HASH-TABLE) "Other lesion of femoral nerve")

(SETF (GETHASH "355.3" ICD9-HASH-TABLE)

"Lesion of lateral popliteal nerve")

(SETF (GETHASH "355.5" ICD9-HASH-TABLE)

"Lesion of medial popliteal nerve")

(SETF (GETHASH "355.5" ICD9-HASH-TABLE) "Tarsal tunnel syndrome")

(SETF (GETHASH "355.5" ICD9-HASH-TABLE) "Lesion of plantar nerve")

(SETF (GETHASH "355.7" ICD9-HASH-TABLE) "Lesion of plantar nerve")

(SETF (GETHASH "355.7" ICD9-HASH-TABLE) "Lesion of plantar nerve")

(SETF (GETHASH "355.7" ICD9-HASH-TABLE)

"Other mononeuritis of lower limb")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Disorders of accessory [Lith] nerve")
"Disorders of accessory [Lith] nerve")
(GETHASH "32.5" [LO9-HASH-TABLE)
"Disorders of hypoglossal [L2th] nerve")
(GETHASH "35.9" [LO9-HASH-TABLE)
"Wultiple cranial nerve palsies")
(GETHASH "352.9" [LO9-HASH-TABLE)
"Unspecified disorder of cranial nerves")
(GETHASH "353." [LO9-HASH-TABLE) "Nerve root and plexus disorders")
(GETHASH "353." [LO9-HASH-TABLE) "Brachial plexus lesions")
(GETHASH "353.2" [LO9-HASH-TABLE) "Lumbosacral plexus lesions")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Mononeuritis of upper Timb and mononeuritis multiplex")
(GETHASH "354.0" ICD9-HASH-TABLE) "Carpal tunnel syndrome")
(GETHASH "354.1" ICD9-HASH-TABLE) "Cher lesion of median nerve")
(GETHASH "354.1" ICD9-HASH-TABLE) "Lesion of ulnar nerve")
(GETHASH "354.4" ICD9-HASH-TABLE) "Lesion of radial nerve")
(GETHASH "354.4" ICD9-HASH-TABLE) "Causalgia of upper limb")
(GETHASH "354.8" ICD9-HASH-TABLE) "Mononeuritis multiplex")
                                                                                       (SETF (GETHASH "351" ICD9-HASH-TABLE) "Facial nerve disorders")
(SETF (GETHASH "351" ICD9-HASH-TABLE) "Bell's palls")
(SETF (GETHASH "351.0" ICD9-HASH-TABLE) "Genel's palls")
(SETF (GETHASH "351.8" ICD9-HASH-TABLE) "Geniculate ganglionitis")
(SETF (GETHASH "351.8" ICD9-HASH-TABLE) "Other facial nerve disorders")
(SETF (GETHASH "351.9" ICD9-HASH-TABLE)
"Facial nerve disorder, unspecified")
(SETF (GETHASH "352" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Disorders of olfactory [1st] nerve")
(GETHASH '"3S2.1" ICD9-HASH-TABLE) "Glossopharyngeal neuralgia")
(GETHASH '"3S2.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Cervical root lesions, not elsewhere classified")
(GETHASH "353.3" ICD9-HASH-TABLE)
"Thoracic root lesions, not elsewhere classified")
(GETHASH "353.4" ICD9-HASH-TABLE)
"Lumbosacral root lesions, not elsewhere classified")
(GETHASH "353.5" ICD9-HASH-TABLE) "Neuralgic amyotrophy")
(GETHASH "353.6" ICD9-HASH-TABLE) "Phantom limb (syndrome)")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Other disorders of glossopharyngeal [9th] nerve")
(GETHASH ""352.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Unspecified nerve root and plexus disorder")
(GETHASH '"354" ICD9-HASH-TABLE)
                                "Other specified trigeminal nerve disorders")
(SETF (GETHASH '"330.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Disorders of pneumogastric [10th] nerve")
(GETHASH ""352.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Other nerve root and plexus disorders")
(GETHASH ""353.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                               "Disorders of other cranial nerves") (SETF (GETHASH "352.0" ICD9-HASH-TABLE)
(SETF (GETHASH '"350.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
```

```
(SET CETMARH "335.7%" ICDO-MASH-TRBED "Causalgia of lower limb")

(SET CETMARH "335.7%" ICDO-MASH-TRBED

(SET CETMARH "335.7%" ICDO-MASH-TRBED

(SET CETMARH "335.8%" ICDO-MASH-TRBED

(SET CETMASH "335.8%" ICDO-MASH-TRBED

(SET CETMASH "335.8%" ICDO-MASH-TRBED

(SET CETMASH "335.8%" ICDO-MASH-TRBED

(SET CETMASH "335.9%" ICDO-MASH-TRBED

(SET CETMASH "337.8%" ICDO-MASH-TRBED

(SET CETMASH "335.8%" ICDO-MAS
```

"Purulent endophthalmitis, unspecified")
(GETHASH "1360.02" ICD9-HASH-TABLE) "Acute endophthalmitis")
(GETHASH "1360.02" ICD9-HASH-TABLE) "Panophthalmitis")
(GETHASH "1360.03" ICD9-HASH-TABLE) "Chronic endophthalmitis")

(SETF (SETF (SETF

```
(SETE (CETMASH "360.0." ICD9-MASH-TARLE) "Other endophthalmitis")
(SETE (CETMASH "360.1." ICD9-MASH-TARLE) "Sympathetic uneitis")
(SETE (CETMASH "360.1." ICD9-MASH-TARLE) "Sympathetic uneitis")
(SETE (CETMASH "360.1." ICD9-MASH-TARLE) "Denthalmi a nodosa")
(SETE (CETMASH "360.1." ICD9-MASH-TARLE) "Other")
(SETE (CETMASH "360.1." ICD9-MASH-TARLE) "Other")
(SETE (CETMASH "360.1." ICD9-MASH-TARLE) "Other")
(SETE (CETMASH "360.1." ICD9-MASH-TARLE)
(SETE (CETMASH "360.1." ICD9-MASH-TARLE) "Other")
(SETE (CETMASH "360.1." ICD9-MASH-TARLE) "Other metallosis")
(SETE (CETMASH "360.1." ICD9-MASH-TARLE) "Primary Mypotomy")
(SETE (CETMASH "360.1." ICD9-MASH-TARLE)
(SETE (CETMASH
```

```
TRETINGENTAL TOTAL TABLE "Perimany retinal cysts")

ETF (GETHASH "361.13" ICD9-HASH-TABLE "Perimany retinal detachment")

ETF (GETHASH "361.2" ICD9-HASH-TABLE) "Cother")

ETF (GETHASH "361.3" ICD9-HASH-TABLE) "Retinal defect, unspecified")

ETF (GETHASH "361.3" ICD9-HASH-TABLE) "Retinal defect, unspecified")

ETF (GETHASH "361.3" ICD9-HASH-TABLE)
"Round hole of retina without detachment")

ETF (GETHASH "361.3" ICD9-HASH-TABLE)
"Miltiple defects of retina without detachment")

ETF (GETHASH "361.3" ICD9-HASH-TABLE)
"Miltiple defects of retina without detachment")

ETF (GETHASH "361.3" ICD9-HASH-TABLE)
"Miltiple defects of retina without detachment")

ETF (GETHASH "361.3" ICD9-HASH-TABLE)
"Miltiple defects of retina without detachment")
(SETF (GETHASH ""360.89" ICD9-HASH-TABLE) "Other")
(SETF (GETHASH ""360.9" ICD9-HASH-TABLE) "Unspecified disorder of globe")
(SETF (GETHASH ""361.0" ICD9-HASH-TABLE) "Retinal detachments and defects")
(SETF (GETHASH ""361.0" ICD9-HASH-TABLE)

"Retinal detachment with retinal defect, unspecified")
(SETF (GETHASH "361.01" ICD9-HASH-TABLE)
"Retinal detachment with retinal defect, unspecified")
(SETF (GETHASH ""361.01" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Changes in vascular appearance")
(GETHASH "362.14" ICD9-HASH-TABLE) "Retinal microaneurysms NOS")
(GETHASH "362.11" ICD9-HASH-TABLE) "Retinal telangiectasia")
(GETHASH "362.16" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Background diabetic retinopathy")
(GETHASH "362.02" ICD9-HASH-TABLE)
(GETHASH "362.02" ICD9-HASH-TABLE)
(GETHASH "362.1" ICD9-HASH-TABLE)
(GETHASH "362.10" ICD9-HASH-TABLE)
(GETHASH "362.10" ICD9-HASH-TABLE)
(GETHASH "362.11" ICD9-HASH-TABLE)
(GETHASH "362.11" ICD9-HASH-TABLE) "Hypertensive retinopathy")
(GETHASH "362.12" ICD9-HASH-TABLE) "Exudative retinopathy")
                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Recent detachment, partial, with retinal dialysis")
(SETF (GETHASH "361.05" ICD9-HASH-TABLE)
"Recent detachment, total or subtotal")
(SETF (GETHASH "361.05" ICD9-HASH-TABLE)
(SETF (GETHASH "361.07" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CGTHASH "361.81" ICD9-HASH-TABLE)
"Traction detachment"
(GETHASH "361.89" ICD9-HASH-TABLE)
(GETHASH "361.89" ICD9-HASH-TABLE)
(GETHASH "361.9" ICD9-HASH-TABLE)
(GETHASH "361.9" ICD9-HASH-TABLE)
(GETHASH "362.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Retinal neovascularization NOS")
(SETF (GETHASH "382.1" ICD9-HARP-TABLE)
"Other intraretinal microvascular abnormalities")
(SETF (GETHASH "362.18" ICD9-HASH-TABLE) "Retinal vasculitis")
                                                                                                                                                                                                                                                                    "Recent detachment, partial, with single defect")
(SETF (GETHASH ""361.02" ICD9-HASH-TABLE)
"Recent detachment, partial, with multiple defects")
(SETF (GETHASH ""361.03" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                             "Recent detachment, partial, with giant tear")
(GETHASH ""361.04" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Old detachment, total or subtotal")
(GETHASH '"361.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
```

```
(SETF (GETHASH '362.53 ILUG9-HASH-TABLE)

(SETF (GETHASH '362.52" ILUG9-HASH-TABLE)

"Rudative semile macular degeneration")

(SETF (GETHASH '362.53" ILUG9-HASH-TABLE)

(SETF (GETHASH '362.53" ILUG9-HASH-TABLE)

(SETF (GETHASH '362.55" ILUG9-HASH-TABLE)

(SETF (GETHASH '362.55" ILUG9-HASH-TABLE)

(SETF (GETHASH '362.55" ILUG9-HASH-TABLE) "Toxic maculopathy")

(SETF (GETHASH '362.55" ILUG9-HASH-TABLE) "Drusen (degenerative)")

(SETF (GETHASH '362.65" ILUG9-HASH-TABLE)

(SETF (GETHASH '362.65" ILUG9-HASH-TABLE)

(SETF (GETHASH '362.65" ILUG9-HASH-TABLE)

(SETF (GETHASH '362.65" ILUG9-HASH-TABLE)

"Peripheral retinal degeneration, unspecified")

(SETF (GETHASH '362.65" ILUG9-HASH-TABLE) "Microcystoid degeneration")

(SETF (GETHASH '362.62" ILUG9-HASH-TABLE) "Microcystoid degeneration")

(SETF (GETHASH '362.62" ILUG9-HASH-TABLE) "Microcystoid degeneration")

(SETF (GETHASH '362.63" ILUG9-HASH-TABLE) "Microcystoid degeneration")
                   SETF (GETHASH "362.21" ICD9-HASH-TABLE)
"Other proliferative retinopathy")

SETF (GETHASH "362.22" ICD9-HASH-TABLE)
"Other proliferative retinopathy")

SETF (GETHASH "362.23" ICD9-HASH-TABLE)
"Other nondiabetic proliferative retinopathy")

SETF (GETHASH "362.33" ICD9-HASH-TABLE)
"Central vascular occlusion, unspecified")

SETF (GETHASH "362.33" ICD9-HASH-TABLE)
"Central retinal artery occlusion, unspecified")

SETF (GETHASH "362.33" ICD9-HASH-TABLE) "Partial branch occlusion")

SETF (GETHASH "362.33" ICD9-HASH-TABLE) "Partial arterial occlusion")

SETF (GETHASH "362.33" ICD9-HASH-TABLE) "Partial arterial occlusion")

SETF (GETHASH "362.34" ICD9-HASH-TABLE)
"Central retinal vain occlusion")

SETF (GETHASH "362.34" ICD9-HASH-TABLE)
"Venous tributary (branch) occlusion")

SETF (GETHASH "362.34" ICD9-HASH-TABLE)
"Venous tributary (branch) occlusion")

SETF (GETHASH "362.40" ICD9-HASH-TABLE)
"SETF (GETHASH "362.40" ICD9-HASH-TABLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Hereditary retinal dystrophies")

(SETF (GETHASH "362.70" ICD9-HASH-TABLE)

(SETF (GETHASH "362.70" ICD9-HASH-TABLE)

(SETF (GETHASH "362.71" ICD9-HASH-TABLE)

(SETF (GETHASH "362.72" ICD9-HASH-TABLE)

(SETF (GETHASH "362.72" ICD9-HASH-TABLE)

(SETF (GETHASH "362.72" ICD9-HASH-TABLE)

(SETF (GETHASH "362.73" ICD9-HASH-TABLE)

(SETF (GETHASH "362.74" ICD9-HASH-TABLE)

(SETF (GETHASH "362.75" ICD9-HASH-TABLE)

"Other dystrophies primarily involving the sensory retina")

(SETF (GETHASH "362.75" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Hemorrhagic detachment of retinal pigment epithelium")
(GETHASH "362.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Degeneration of macula and posterior pole")
(GETHASH ""362.SO" ICD9-HASH-TABLE)
"Macular degeneration (senile), unspecified")
(GETHASH ""362.51" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Secondary vitreoretinal degenerations")
(SETF (GETHASH ""362.7" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Senile reticular degeneration")
(SETF (GETHASH ""362.65" IDD9-HASH-TABLE)
"Secondary pigmentary degeneration")
(SETF (GETHASH ""362.66" ICD9-HASH-TABLE)
ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
                                                                                                                                                                                                                                                                                                                                                                         (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
(SETF
```

```
(SETF (GETHASH "363.1%" ICUD-HASH-TABLE)

(SETF (GETHASH "363.1" ICUD-HASH-TABLE)

"Focal retinitis and retinochoroiditis, peripheral")

(SETF (GETHASH "363.1" ICUD-HASH-TABLE)

"Disseminated chorioretinitis, unspecified")

(SETF (GETHASH "363.1" ICUD-HASH-TABLE)

"Disseminated choroiditis and chorioretinitis, posterior pole")

(SETF (GETHASH "363.1" ICUD-HASH-TABLE)

"Disseminated choroiditis and chorioretinitis, generalized")

(SETF (GETHASH "363.14" ICUD-HASH-TABLE)

"Disseminated choroiditis and chorioretinitis, generalized")

(SETF (GETHASH "363.14" ICUD-HASH-TABLE)

"Disseminated retinitis and retinochoroiditis, pigment epitheliopathy")

(SETF (GETHASH "363.1" ICUD-HASH-TABLE)

"Disseminated retinitis and retinochoroiditis, unspecified")

(SETF (GETHASH "363.2" ICUD-HASH-TABLE)

"Other and unspecified forms of chorioretinitis, unspecified")

(SETF (GETHASH "363.2" ICUD-HASH-TABLE)

"Other and unspecified forms of chorioretinitis, unspecified")

(SETF (GETHASH "363.2" ICUD-HASH-TABLE) "Chorioretinal scars")

(SETF (GETHASH "363.2" ICUD-HASH-TABLE) "Harada's disease")

(SETF (GETHASH "363.2" ICUD-HASH-TABLE) "Chorioretinal scars")

(SETF (GETHASH "363.2" ICUD-HASH-TABLE) "Genioretinal scars")

(SETF (GETHASH "363.3" ICUD-HASH-TABLE) "Genioretinal scars")

(SETF (GETHASH "363.3" ICUD-HASH-TABLE) "Genioretinal scars")

(SETF (GETHASH "363.3" ICUD-HASH-TABLE) "Genioretinal scars")
"Dystrophies primarily involving the retinal pigment epithelium")
"EF (CETHASH "362.77" ICD9-HASH-TABLE)
"Dystrophies primarily involving Bruch's membrane")
"EFF (CETHASH "362.81" ICD9-HASH-TABLE) "Other retinal disorders")
"EFF (CETHASH "362.82" ICD9-HASH-TABLE) "Retinal hemorrhage")
"FRITASH "362.82" ICD9-HASH-TABLE) "Retinal edema")
"Retinal exudates and deposits")
"EFF (CETHASH "362.83" ICD9-HASH-TABLE) "Retinal ischemia")
"EFF (CETHASH "362.83" ICD9-HASH-TABLE) "Retinal ischemia")
"FEFF (CETHASH "362.83" ICD9-HASH-TABLE) "Retinal disorders")
"FEFF (CETHASH "362.83" ICD9-HASH-TABLE) "Other retinal disorders")
"FEFF (CETHASH "362.93" ICD9-HASH-TABLE) "Unspecified retinal disorder")
"FEFF (CETHASH "362.93" ICD9-HASH-TABLE) "Unspecified retinal disorder")
"FEFF (CETHASH "363" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Chorioretinal inflammations, scars, and other disorders of choroid") (GETHASH "'363.0" ICD9-HASH-TABLE) "Focal chorioretinitis and focal retinochoroiditis") (GETHASH "'363.00" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Focal choriotethnitis, unspecified")
(SETF (GETHASH "363.01" ICD9-HASH-TABLE)

"Focal choroiditis and chorioretthifis, juxtapapillary")
(SETF (GETHASH "363.03" ICD9-HASH-TABLE)

"Focal choroiditis and choriorettinitis of other posterior pole")
(SETF (GETHASH "363.04" ICD9-HASH-TABLE)

"Focal choroiditis and choriorettinitis, peripheral")
(SETF (GETHASH "363.05" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Focal retinitis and retinochoroiditis, macular or paramacular") (SETF (GETHASH "363.07" ICD9-HASH-TABLE)
"Focal retinitis and retinochoroiditis of other posterior pole") (SETF (GETHASH "363.08" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Choroidal degeneration, unspecified")
(GETHASH '"363.41" ICD9-HASH-TARLE) "Senile atrophy of choroid")
(GETHASH '"363.42" ICD9-HASH-TARLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (GETHASH "1363.34" ICD9-HASH-TABLE) "Peripheral scars")
(GETHASH "1363.35" ICD9-HASH-TABLE) "Disseminated scars")
(GETHASH "1363.4" ICD9-HASH-TABLE) "Choroidal degenerations")
(GETHASH "1363.40" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Chorioretinal scar, unspecified")
(GETHASH "363.31" ICD9-HASH-TABLE) "solar retinopathy")
(GETHASH "363.32" ICD9-HASH-TABLE) "Other macular scars")
(GETHASH "363.33" ICD9-HASH-TABLE)
"Other scars of posterior pole")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Focal retinitis and retinochoroiditis, juxtapapillary")
(SETF (GETHASH ""363.06" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
(SETF
(SETF
(SETF
                                                                                                                                       (SETF
(SETF
(SETF
                                                             (SETF
                                                                                                                                                                                                                                                                                                         (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
```

```
(SETF (GETHASH "364.0" ICD9-HASH-TABLE)

(SETF (GETHASH "364.0" ICD9-HASH-TABLE)

"Acute and subacute iridocyclitis')

(SETF (GETHASH "364.0" ICD9-HASH-TABLE)

"Acute and subacute iridocyclitis, unspecified")

(SETF (GETHASH "364.0" ICD9-HASH-TABLE) "Primary iridocyclitis")

(SETF (GETHASH "364.0" ICD9-HASH-TABLE) "Primary iridocyclitis")

(SETF (GETHASH "364.0" ICD9-HASH-TABLE)

"Secondary iridocyclitis, infectious")

(SETF (GETHASH "364.0" ICD9-HASH-TABLE)

"Secondary iridocyclitis, noninfectious")

(SETF (GETHASH "364.0" ICD9-HASH-TABLE)

"SECONDARY "364.10" ICD9-HASH-TABLE)

"Chronic iridocyclitis, unspecified")

(SETF (GETHASH "364.11" ICD9-HASH-TABLE)

"Chronic iridocyclitis, unspecified")

(SETF (GETHASH "364.11" ICD9-HASH-TABLE)

"Chronic iridocyclitis in diseases classified elsewhere")

(SETF (GETHASH "364.2" ICD9-HASH-TABLE)

"Chronic iridocyclitis in diseases classified elsewhere")

(SETF (GETHASH "364.2" ICD9-HASH-TABLE)

"Chronic iridocyclitis in diseases classified elsewhere")

(SETF (GETHASH "364.2" ICD9-HASH-TABLE)

"GETHASH "364.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Choroidal detachment, unspecified")
(GETHASH "363.71" ICD9-HASH-TABLE) "Serous choroidal detachment")
(GETHASH "363.72" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF (GETHASH "364.22" ICDO-HASH-TABLE) "Glaucomatocyclitic crises") (SETF (GETHASH "364.23" ICDO-HASH-TABLE) "Lens-induced iridocyclitis") (SETF (GETHASH "364.24" ICDO-HASH-TABLE) "Vogt-Koyanagi syndrome") (SETF (GETHASH "364.24" ICDO-HASH-TABLE) "Unspecified iridocyclitis") (SETF (GETHASH "364.4" ICDO-HASH-TABLE)
"Diffuse secondary atrophy of choroid")
(GETHASH "363.43" ICD9-HASH-TABLE) "Angioid streaks of choroid")
(GETHASH "363.5" ICD9-HASH-TABLE)
"Hereditary choroidal dystrophies")
(GETHASH "363.50" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Hemorrhagic choroidal detachment")
(GETHASH "363.8" ICD9-HASH-TABLE) "Other disorders of choroid")
(GETHASH "363.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Expulsive choroidal hemorrhage")
(GETHASH ":363.G3" ICD9-HASH-TABLE) "Choroidal rupture")
(GETHASH ":363.70" ICD9-HASH-TABLE) "Choroidal detachment")
(GETHASH ":363.70" ICD9-HASH-TABLE)
                                                                                                                                                                                                                    "Hereditary choroidal dystrophy or atrophy, unspecified")
(GETHASH ""363.51" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                             CETT (VELINAS) 309.31 LLUGPTHASTINABLE)

(SETF (GETHASH "363.52" ICD9-HASH-TABLE)

CIrcumpapillary dystrophy of choroid, partial")

(SETF (GETHASH "363.52" ICD9-HASH-TABLE)

(SETF (GETHASH "363.53" ICD9-HASH-TABLE)

(SETF (GETHASH "363.53" ICD9-HASH-TABLE)

"Central choroidal atrophy, total")

(SETF (GETHASH "363.55" ICD9-HASH-TABLE)

"Other diffuse or generalized dystrophy, partial")

(SETF (GETHASH "363.57" ICD9-HASH-TABLE)

"Other diffuse or generalized dystrophy, partial")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Vascular disorders of iris and ciliary body")
(GETHASH ""364.41" ICD9-HASH-TABLE) "Hyphema")
(GETHASH ""364.42" ICD9-HASH-TABLE) "Rubeosis iridis")
(GETHASH ""364.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Other diffuse or generalized dystrophy, total") (SETF (GETHASH "363.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Choroidal hemorrhage and rupture")
(SETF (GETHASH "1853, 61" ICD9-HASH-TABLE)
(COPINGIAL hemorrhage, unspecified")
(SETF (GETHASH "1853, 62" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Unspecified disorder of choroid")
(SETF (GETHASH '"364" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Fuchs' heterochromic cyclitis")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
(SETF
                                                                                                                                                                        (SETF
                                                                                                                                                                                                                                                            (SETF
```

(SETF (SETF (SETF

```
(SETF (GETHASH "364.50" ICD9-HASH-TARLE)

(SETF (GETHASH "364.50" ICD9-HASH-TARLE)

"Degenerative changes of chamber angle")

(SETF (GETHASH "364.57" ICD9-HASH-TARLE)

"Degenerative changes of ciliary body")

(SETF (GETHASH "364.6" ICD9-HASH-TARLE) "Other iris atrophy")

(SETF (GETHASH "364.6" ICD9-HASH-TARLE) "Idopathic cysts")

(SETF (GETHASH "364.6" ICD9-HASH-TARLE) "Idopathic cysts")

(SETF (GETHASH "364.6" ICD9-HASH-TARLE) "Indipartion cysts")

(SETF (GETHASH "364.6" ICD9-HASH-TARLE) "Indipartion cysts")

(SETF (GETHASH "364.6" ICD9-HASH-TARLE) "Exudative cyst of pars plana")

(SETF (GETHASH "364.6" ICD9-HASH-TARLE) "Exudative cyst of pars plana")

(SETF (GETHASH "364.6" ICD9-HASH-TARLE) "Exudative cyst of pars plana")

(SETF (GETHASH "364.6" ICD9-HASH-TARLE) "Adhesions and disruptions of iris and ciliary body")

(SETF (GETHASH "364.7" ICD9-HASH-TARLE) "Exudative cyst of pars plana")
"Degenerations of iris and ciliary body")
(SETF (GETHASH ""364.51" ICD9-HASH-TABLE)
"Essential or progressive iris atrophy")
(SETF (GETHASH "364.52" ICD9-HASH-TABLE) "Iridoschisis")
(SETF (GETHASH "364.53" ICD9-HASH-TABLE) "Pigmentary iris degeneration")
(SETF (GETHASH "364.54" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Intermittent angle-closure glaucoma")
(GETHASH "365.22" ICD9-HASH-TABLE) "Acute angle-closure glaucoma")
(GETHASH "365.23" ICD9-HASH-TABLE)
"Chronic angle-closure glaucoma")
(GETHASH "365.24" ICD9-HASH-TABLE)
"Residual stage of angle-closure glaucoma")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Open-angle glaucoma, unspecified")
(GETHASH "365.11" ICD9-HASH-TABLE) "Primary open angle glaucoma")
(GETHASH "365.12" ICD9-HASH-TABLE) "Low tension glaucoma")
(GETHASH "365.13" ICD9-HASH-TABLE) "Pigmentary glaucoma")
(GETHASH "365.14" ICD9-HASH-TABLE) "Glaucoma of childhood")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Addresions of iris, unspecified")

(GETHASH "364.71" ICD9-HASH-TABLE) "Posterior synechiae")

(GETHASH "364.72" ICD9-HASH-TABLE) "Anterior synechiae")

(GETHASH "364.73" ICD9-HASH-TABLE) "Goniosynechiae")

(GETHASH "364.73" ICD9-HASH-TABLE) "Pupillary membranes")

(GETHASH "364.73" ICD9-HASH-TABLE) "Pupillary abnormalities")

(GETHASH "364.77" ICD9-HASH-TABLE) "Iridodialysis")

(GETHASH "364.8" ICD9-HASH-TABLE) "Recession of chamber angle")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Borderline glaucoma [glaucoma suspect]")
(GETHASH '"365.00" ICD9-HASH-TABLE) "Preglaucoma, unspecified")
(GETHASH '"365.01" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Open angle with borderline findings")
(GETHASH "365.02" ICD9-HASH-TABLE) "Anatomical narrow angle")
(GETHASH "365.03" ICD9-HASH-TABLE) "Steroid responders")
(GETHASH "365.04" ICD9-HASH-TABLE) "Ocular hypertension")
(GETHASH "365.11" ICD9-HASH-TABLE) "Open-angle glaucoma")
(GETHASH "365.10" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Other disorders of iris and ciliary body")
(SETF (GETHASH "384.9" ICD9-HASH-TABLE)
"Unspecified disorder of iris and ciliary body")
(SETF (GETHASH "385" ICD9-HASH-TABLE) "Glaucoma")
(SETF (GETHASH "385.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Primary angle-closure glaucoma, unspecified")
(SETF (GETHASH "365.21" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Residual stage of open angle glaucoma")
(SETF (GETHASH '"365.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Primary angle-closure glaucoma")
(SETF (GETHASH "365.20" ICD9-HASH-TABLE)
                                                                                                                                                                                                               "Degeneration of pupillary margin")
(SETF (GETHASH '"364.55" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
(SETF
(SETF
(SETF
```

```
"Glaucoma associated with congenital anomalies, dystrophies, and systemic syndromes") (GETHASH '"365.41" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETE (GETHASH "366.1" ICD9-HASH-TABLE) "Senile cataract")

(SETE (GETHASH "366.1" ICD9-HASH-TABLE) "Senile cataract, unspecified")

(SETE (GETHASH "366.10" ICD9-HASH-TABLE) "Senile cataract, unspecified")

(SETE (GETHASH "366.11" ICD9-HASH-TABLE) "Senile cataract, unspecified")

(SETE (GETHASH "366.11" ICD9-HASH-TABLE) "Incipient cataract")

(SETE (GETHASH "366.12" ICD9-HASH-TABLE) "Incipient cataract")

(SETE (GETHASH "366.14" ICD9-HASH-TABLE)

"Anterior subcapsular polar senile cataract")

(SETE (GETHASH "366.14" ICD9-HASH-TABLE)

(SETE (GETHASH "366.16" ICD9-HASH-TABLE) "Ourtical senile cataract")

(SETE (GETHASH "366.16" ICD9-HASH-TABLE) "Nuclear sclerosis")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF (GETHASH "365.62" ICD9-HASH-TABLE)

(SETF (GETHASH "365.62" ICD9-HASH-TABLE)

"Glaucoma associated with ocular inflammations")

(SETF (GETHASH "365.63" ICD9-HASH-TABLE)

"Glaucoma associated with vascular disorders")

(SETF (GETHASH "365.64" ICD9-HASH-TABLE)

"Glaucoma associated with tumors or cysts")

(SETF (GETHASH "365.64" ICD9-HASH-TABLE)

"Glaucoma associated with ocular trauma")

(SETF (GETHASH "365.82" ICD9-HASH-TABLE)

"Other specified forms of glaucoma")

(SETF (GETHASH "365.82" ICD9-HASH-TABLE)

"Other specified forms of glaucoma")

(SETF (GETHASH "365.82" ICD9-HASH-TABLE)

"Other specified forms of glaucoma")

(SETF (GETHASH "365.82" ICD9-HASH-TABLE)

"SETF (GETHASH "365.93" ICD9-HASH-TABLE)

(SETF (GETHASH "365.93" ICD9-HASH-TABLE)

"Infantile, juvenile, and presenile cataract")

"MADGENILA "ATP-TATHENT "ATP-TABLE)

"MADGENILA "ATP-TATHENT "
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Glaucoma associated with systemic syndromes")
(GETHASH "365.5" ICD9-HASH-TABLE)
"Glaucoma associated with disorders of the lens")
(GETHASH "365.51" ICD9-HASH-TABLE) "Phacolytic glaucoma")
(GETHASH "365.52" ICD9-HASH-TABLE) "Pseudoexfoliation glaucoma")
(GETHASH "365.59" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Glaucoma associated with other anterior segment anomalies")
(GETHASH ""365,44" ICD9-HASH-TABLE)
                                                    "Corticosteroid-induced glaucoma")
(GETHASH "365.3" ICD9-HASH-TABLE) "Glaucomatous stage")
(GETHASH "365.3" ICD9-HASH-TABLE) "Residual stage")
(GETHASH "365.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF (GETHASH "366.01" ICD9-HASH-TABLE)
(SEFF (GETHASH "366.01" ICD9-HASH-TABLE)
(SEFF (GETHASH "366.02" ICD9-HASH-TABLE)

"Posterior subcapsular polar cataract")
(SEFF (GETHASH "366.03" ICD9-HASH-TABLE)
"Cortical, lamellar, or zonular cataract")
(SEFF (GETHASH "366.04" ICD9-HASH-TABLE)
(SEFF (GETHASH "366.04" ICD9-HASH-TABLE)
(SEFF (GETHASH "366.09" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Glaucoma associated with unspecified ocular disorder")
(GETHASH ""365.61" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                        "Glaucoma associated with chamber angle anomalies")
(GETHASH "365.42" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Glaucoma associated with other lens disorders")
(GETHASH ""365.6" ICD9-HASH-TABLE)
"Glaucoma associated with other ocular disorders")
(GETHASH ""365.60" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                      "Glaucoma associated with anomalies of iris")
(GETHASH '"365.43" ICD9-HASH-TABLE)
(SETF (GETHASH ""365.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
                                                                                             (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                    (SETF
                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
```

```
This offers of refraction and accommodation")

This offers of refraction and accommodation")

EITE (GETHASH "367.0" ICD9-HASH-TABLE) "Myopia")

EITE (GETHASH "367.2" ICD9-HASH-TABLE) "Myopia")

EITE (GETHASH "367.2" ICD9-HASH-TABLE) "Actignatism", unspecified")

EITE (GETHASH "367.2" ICD9-HASH-TABLE) "Regular astignatism")

EITE (GETHASH "367.2" ICD9-HASH-TABLE) "Irregular astignatism")

EITE (GETHASH "367.2" ICD9-HASH-TABLE) "Anisometropia and aniseikonia")

EITE (GETHASH "367.3" ICD9-HASH-TABLE) "Anisometropia")

EITE (GETHASH "367.3" ICD9-HASH-TABLE) "Anisometropia")

EITE (GETHASH "367.3" ICD9-HASH-TABLE) "Anisometropia")

EITE (GETHASH "367.5" ICD9-HASH-TABLE) "Anisometropia")

EITE (GETHASH "367.5" ICD9-HASH-TABLE) "Paresis of accommodation")

EITE (GETHASH "367.5" ICD9-HASH-TABLE) "Paresis of accommodation")

EITE (GETHASH "367.5" ICD9-HASH-TABLE) "Pasesis of accommodation")

EITE (GETHASH "367.5" ICD9-HASH-TABLE) "Pasesis of accommodation")

EITE (GETHASH "367.5" ICD9-HASH-TABLE) "Spasm of accommodation")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SETF (GETHASH "366.33" ILD9-HASH-IARLE)

"Cataract in degenerative disorders")

"Cataract in degenerative disorders")

"Cataract in degenerative disorders")

SETF (GETHASH "366.4" ILD9-HASH-TARLE)

"Cataract associated with other disorders")

SETF (GETHASH "366.4" ILD9-HASH-TARLE) "Piabetic cataract")

SETF (GETHASH "366.4" ILD9-HASH-TARLE) "Myotonic cataract")

SETF (GETHASH "366.4" ILD9-HASH-TARLE) "Myotonic cataract")

SETF (GETHASH "366.4" ILD9-HASH-TARLE) "Toric cataract")

SETF (GETHASH "366.4" ILD9-HASH-TARLE) "Toric cataract")

SETF (GETHASH "366.4" ILD9-HASH-TARLE) "Toric cataract")

SETF (GETHASH "366.5" ILD9-HASH-TARLE) "After-cataract")

SETF (GETHASH "366.5" ILD9-HASH-TARLE) "After-cataract, unspecified")

SETF (GETHASH "366.5" ILD9-HASH-TARLE) "After-cataract, unspecified")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (GETHASH ""367.81" ICD9-HASH-TABLE) "Transient refractive change") (GETHASH ""367.89" ICD9-HASH-TABLE) "Other") (GETHASH ""368" ICD9-HASH-TABLE) "Visual disturbances") (GETHASH ""368.0" ICD9-HASH-TABLE) "Amblyopia ex anopsia")
(GETHASH ""366.17" ICD9-HASH-TABLE) "Total or mature cataract") (GETHASH ""366.18" ICD9-HASH-TABLE) "Hypermature cataract") (GETHASH ""366.19" ICD9-HASH-TABLE) "CETHASH ""366.19" ICD9-HASH-TABLE) "CATAR and combined forms of senile cataract") (GETHASH ""366.2" ICD9-HASH-TABLE) "Traumatic cataract") (GETHASH ""366.20" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                        "Localized traumatic opacities")
(GETHASH "366.22" ICD9-HASH-TABLE) "Total traumatic cataract")
(GETHASH "366.23" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "After-cataract, obscuring vision")
(GETHASH ""366.8" ICD9-HASH-TABLE) "Other cataract")
(GETHASH ""366.9" ICD9-HASH-TABLE) "Unspecified cataract")
(GETHASH ""367" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           'Other disorders of refraction and accommodation")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Other after-cataract, not obscuring vision")
(GETHASH '"366.53" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Cataract secondary to ocular disorders")
(GETHASH ""366.30" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                   "Partially resolved traumatic cataract")
(SETF (GETHASH ""366.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Glaucomatous flecks (subcapsular)")
(GETHASH "366.32" ICD9-HASH-TABLE)
"Cataract in inflammatory disorders")
(GETHASH "366.33" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Cataracta complicata, unspecified")
(SETF (GETHASH '"366.31" ICD9-HASH-TABLE)
                                                                                                                                                                                                                    "Traumatic cataract, unspecified")
(GETHASH '"366.21" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                                                                                                                                                                              (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
(SETF
       (SETF
(SETF
(SETF
                                                                                                                                                (SETF
(SETF
                                                                                                                                                                                                                                                              (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                                                                                                                                                                                                                                                                                                                                        (SETF
```

```
"Homomous bilateral field defects"

(SETF (GETHASH "386.47" ICD9-HASH-TABLE)

"Henonymous bilateral field defects")

(SETF (GETHASH "386.51" ICD9-HASH-TABLE)

(SETF (GETHASH "386.52" ICD9-HASH-TABLE)

(SETF (GETHASH "386.52" ICD9-HASH-TABLE)

(SETF (GETHASH "386.53" ICD9-HASH-TABLE)

(SETF (GETHASH "386.54" ICD9-HASH-TABLE)

(SETF (GETHASH "386.61" ICD9-HASH-TABLE)

(SETF (GETHASH "386.63" ICD9-HASH-TABLE)

(SETF (GETHASH "386.63" ICD9-HASH-TABLE)

(SETF (GETHASH "386.63" ICD9-HASH-TABLE)

(SETF (GETHASH "386.83" ICD9-HASH-TABLE)

(SETF (GETHASH "386.94" ICD9-HASH-TABLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETE (GETHASH "368.34" ILO9-HASH-TABLE)

"Simultaneous visual perception without fusion")

(SETE (GETHASH "368.34" ILO9-HASH-TABLE)

"Ension with defective stereopsis")

(SETE (GETHASH "368.34" ILO9-HASH-TABLE)

"SETE (GETHASH "368.44" ILO9-HASH-TABLE)

"Visual field defect, unspecified")

(SETE (GETHASH "368.41" ILO9-HASH-TABLE)

"Visual field defect, unspecified")

(SETE (GETHASH "368.44" ILO9-HASH-TABLE)

"Scotoma involving central area")

(SETE (GETHASH "368.44" ILO9-HASH-TABLE)

"Settor or arcuate defects")

(SETE (GETHASH "368.44" ILO9-HASH-TABLE)

"SETE (GETHASH "368.44" ILO9-HASH-TABLE)

(SETE (GETHASH "368.44" ILO9-HASH-TABLE)

(SETE (GETHASH "368.44" ILO9-HASH-TABLE)

"Generalized contraction or constriction")

(SETE (GETHASH "368.44" ILO9-HASH-TABLE)

"Generalized contraction or constriction")
(SETF (GETHASH ""368.00" ICD9-HASH-TABLE) "Amblyopia, unspecified")
(SETF (GETHASH ""368.01" ICD9-HASH-TABLE) "Strabismic amblyopia")
(SETF (GETHASH ""368.01" ICD9-HASH-TABLE) "Deprivation amblyopia")
(SETF (GETHASH ""368.11" ICD9-HASH-TABLE)
"Subjective visual disturbances")
(SETF (GETHASH ""368.11" ICD9-HASH-TABLE)
"Subjective visual disturbance, unspecified")
(SETF (GETHASH ""368.11" ICD9-HASH-TABLE)
"Subjective visual disturbance, unspecified")
(SETF (GETHASH ""368.11" ICD9-HASH-TABLE) "visual discomfort")
(SETF (GETHASH ""368.13" ICD9-HASH-TABLE)
"Visual distortions of shape and size")
(SETF (GETHASH ""368.13" ICD9-HASH-TABLE)
"Other visual distortions and entoptic phenomena")
(SETF (GETHASH ""368.13" ICD9-HASH-TABLE)
"Other visual distortions and entoptic phenomena")
(SETF (GETHASH ""368.13" ICD9-HASH-TABLE)
"Other visual distortions and entoptic phenomena")
(SETF (GETHASH ""368.13" ICD9-HASH-TABLE)
"Other visual distortions and entoptic phenomena")
(SETF (GETHASH ""368.3" ICD9-HASH-TABLE)
"Other disorders of binocular vision")
(SETF (GETHASH ""368.30" ICD9-HASH-TABLE)
"Other disorders of binocular vision")
(SETF (GETHASH ""368.31" ICD9-HASH-TABLE)
"Suppression of binocular vision")
(SETF (GETHASH ""368.32" ICD9-HASH-TABLE)
"Suppression of binocular vision")
(SETF (GETHASH ""368.33" ICD9-HASH-TABLE)
"Suppression of binocular vision")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Other specified visual disturbances")
(GETHASH "368.9" ICD9-HASH-TABLE)
"Unspecified visual disturbance")
(GETHASH "369" ICD9-HASH-TABLE) "Blindness and low vision")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
```

```
(SET GCTHASH "38.0" IOD-MASH-TARE)

(SET GCTHASH "38.0" IOD-MASH-TARE)

(SET GCTHASH "38.0" IOD-MASH-TARE)

(SET GCTHASH "38.00" IOD-MASH-TARE)

(SET GCTHASH "
```

(SETF (GETHASH "369.4" ICD9-HASH-TABLE)

(SETF (GETHASH "369.4" ICD9-HASH-TABLE)

(SETF (GETHASH "369.6" ICD9-HASH-TABLE)

(SETF (GETHASH "369.60" ICD9-HASH-TABLE) "Profound impairment, one eye")

"Impairment level not further specified") (SETF (GETHASH "369.61" ICD9-HASH-TABLE)

"One eye: total impairment; other eye: not specified") (SETF (GETHASH "1859,62" ICD9-HASH-TARLE)
"One eye: total impairment; other eye: near-normal vision") (SETF (GETHASH "1869,63" ICD9-HASH-TARLE)

```
ETF (GETHASH "370.00" ICD9-HASH-TABLE) "Unqualified visual loss")

ETF (GETHASH "370" ICD9-HASH-TABLE) "Werstris")

ETF (GETHASH "370" ICD9-HASH-TABLE) "Corneal ulcer")

ETF (GETHASH "370.00" ICD9-HASH-TABLE) "Corneal ulcer",

ETF (GETHASH "370.00" ICD9-HASH-TABLE) "Marginal corneal ulcer")

ETF (GETHASH "370.00" ICD9-HASH-TABLE) "Ring corneal ulcer")

ETF (GETHASH "370.01" ICD9-HASH-TABLE) "Ring corneal ulcer")

ETF (GETHASH "370.02" ICD9-HASH-TABLE) "Central corneal ulcer")

ETF (GETHASH "370.04" ICD9-HASH-TABLE) "Mycopic corneal ulcer")

ETF (GETHASH "370.05" ICD9-HASH-TABLE) "Mooren's ulcer")

ETF (GETHASH "370.07" ICD9-HASH-TABLE) "Mooren's ulcer")
                                                                                                                                                                                                    "One eye: near-total impairment; other eye: near-normal vision")
(GETHASH '"369.66" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                    "One eye: profound impairment; other eye: not specified")
(SETF (GETHASH "369.68" ICD9-HASH-TABLE)
"One eye: profound impairment; other eye: near-normal vision")
(SETF (GETHASH "369.69" ICD9-HASH-TABLE)
"One eye: profound impairment; other eye: normal vision")
(SETF (GETHASH "369.7" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "One eye: moderate impairment; other eye: near-normal vision")
(GETHASH ""369.76" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "One eye: severe impairment; other eye: near-normal vision")
(GETHASH "'369.73" ICD9-HASH-TABLE)
"One eye: total impairment; other eye: normal vision") (GETHASH "369.64" LCD9-HASH-TABLE) "One eye: near-total impairment; other eye: not specified") (GETHASH "369.65" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                  "One eye: near-total impairment; other eye: normal vision")
(GETHASH ""369.67" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Superficial keratitis without conjunctivitis")
(GETHASH "370.20" ICD9-HASH-TABLE)
"Superficial keratitis, unspecified")
(GETHASH "370.21" ICD9-HASH-TABLE) "Macular keratitis")
(GETHASH "370.22" ICD9-HASH-TABLE) "Macular keratitis")
(GETHASH "370.24" ICD9-HASH-TABLE) "Filamentary keratitis")
(GETHASH "370.24" ICD9-HASH-TABLE) "Photokeratitis")
(GETHASH "370.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "One eye: moderate impairment; other eye: not specified")
(GETHASH '"369.75" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "One eye: moderate impairment; other eye: normal vision")
(GETHASH '"369.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Limbar and corneal involvement in vernal conjunctivitis") (SETF (GETHASH ""370.33" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "One eye: severe impairment; other eye: normal vision")
(GETHASH ""369.74" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "One eye: severe impairment; other eye: not specified")
(GETHASH ""369.72" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Keratoconjunctivitis sicca, not specified as Sjgren's")
(SETF (GETHASH ""370.34" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Moderate or severe impairment, one eye") (SETF (GETHASH ""369.70" ICD9-HASH-TABLE) "Impairment level not further specified") (SETF (GETHASH ""369.71" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Certain types of keratoconjunctivitis")
(GETHASH '"370.31" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF (GETHASH ""370.35" ICD9-HASH-TABLE)
"Neurotrophic keratoconjunctivitis")
(SETF (GETHASH ""370.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Phlyctenular keratoconjunctivitis")
(GETHASH '"370.32" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SETF (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                    (SETF
                                                                                                                                                                                                                                                                      (SETF
                                                                                                                                                                                                                                                                                                                                                                        (SETF
                                                            (SETF
```

"Other and unspecified keratoconjunctivitis") (GETHASH '"370.40" ICD9-HASH-TABLE)

(SETF

"Keratoconjunctivitis, unspecified")

```
CSET (CETMASH "7370.44" ILOD9-HASH-TABLE)

(SET (CETMASH "7370.49" ILOD9-HASH-TABLE)

(SET (CETMASH "7370.59" ILOD9-HASH-TABLE)

(SET (CETMASH "7370.69" ILOD9-HASH-TABLE)

(SET (CETMASH "7370.79" ILOD9-HASH-TABLE)

(SET (CETMASH "7371.09" I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Folds and rupture of Bowman's membrane")
(GETHASH '"371.32" ICD9-HASH-TABLE) "Folds in Descemet's membrane")
(GETHASH '"371.33" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Corneal degeneration, unspecified")
(GETHASH "371.41" ICD9-HASH-TABLE) "Senile corneal changes")
(GETHASH "371.42" ICD9-HASH-TABLE) "Recurrent erosion of cornea")
(GETHASH "371.44" ICD9-HASH-TABLE) "Band-shaped keratopathy")
(GETHASH "371.44" ICD9-HASH-TABLE)
"Other calcerous degenerations of cornea")
(GETHASH "371.45" ICD9-HASH-TABLE) "Keratomalacia NOS")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Rupture in Descemet's membrane")
(GETHASH "371.4" ICD9-HASH-TABLE) "Corneal degenerations")
(GETHASH "371.40" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Corneal membrane change, unspecified")
(GETHASH '"371.31" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
```

```
(SETF (GETHASH "737.4, %" (1994-MSH-TABLE)

(SETF (GETHASH "737.1, %" (1094-MSH-TABLE)

(SETF (GETHASH "737.2, %" (1094-MSH-TABLE)

(SETF (GETHASH "737.2,
```

```
"Other and unspecified conjunctivitis")

ETF (GETHASH "372.30" ICO9-HASH-TABLE) "Conjunctivitis, unspecified")

ETF (GETHASH "372.31" ICO9-HASH-TABLE) "Conjunctivitis, unspecified")

ETF (GETHASH "372.31" ICO9-HASH-TABLE) "Rosacea conjunctivitis")

ETF (GETHASH "372.31" ICO9-HASH-TABLE) "Other "372.31" ICO9-HASH-TABLE) "Other "372.31" ICO9-HASH-TABLE) "Other "372.40" ICO9-HASH-TABLE) "Pterygium",

ETF (GETHASH "372.41" ICO9-HASH-TABLE) "Pterygium, unspecified")

ETF (GETHASH "372.41" ICO9-HASH-TABLE)

"Peripheral pterygium, stationary")

ETF (GETHASH "372.42" ICO9-HASH-TABLE)

"Peripheral pterygium, stationary")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Title (GETHASH "372.51" ICD9-HASH-TABLE) "Pinguecula")

SETE (GETHASH "372.51" ICD9-HASH-TABLE) "Pinguecula")

SETE (GETHASH "372.51" ICD9-HASH-TABLE) "Pinguecula")

SETE (GETHASH "372.54" ICD9-HASH-TABLE) "Conjunctival acroetions")

SETE (GETHASH "372.54" ICD9-HASH-TABLE) "Conjunctival pigmentations")

SETE (GETHASH "372.56" ICD9-HASH-TABLE) "Conjunctival pigmentations")

SETE (GETHASH "372.56" ICD9-HASH-TABLE) "Conjunctival acars")

SETE (GETHASH "372.61" ICD9-HASH-TABLE) "Conjunctival acars")

SETE (GETHASH "372.61" ICD9-HASH-TABLE) "Conjunctival acars")

SETE (GETHASH "372.61" ICD9-HASH-TABLE) "Conjunctival")

SETE (GETHASH "372.62" ICD9-HASH-TABLE) "Symblepharon")

SETE (GETHASH "372.62" ICD9-HASH-TABLE) "Symblepharon")

SETE (GETHASH "372.72" ICD9-HASH-TABLE) "Conjunctival of conjunctival vascular disorders and cysts")

SETE (GETHASH "372.72" ICD9-HASH-TABLE) "Conjunctival edema")

SETE (GETHASH "372.72" ICD9-HASH-TABLE) "Conjunctival cysts")

SETE (GETHASH "372.72" ICD9-HASH-TABLE) "Conjunctival cysts")

SETE (GETHASH "372.72" ICD9-HASH-TABLE) "Conjunctival cysts")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ETF (GETHASH "373" ICD9-HASH-TABLE) "Inflammation of eyelids")
ETF (GETHASH "373" ICD9-HASH-TABLE) "Bippharitis, uspecified disorder of conjunctiva")
ETF (GETHASH "373.0" ICD9-HASH-TABLE) "Bippharitis, uspecified")
ETF (GETHASH "373.01" ICD9-HASH-TABLE) "Gethash "373.01" ICD9-HASH-TABLE) "Gethash "373.01" ICD9-HASH-TABLE) "Grammous blepharitis")
ETF (GETHASH "373.1" ICD9-HASH-TABLE) "Grammous blepharitis")
ETF (GETHASH "373.1" ICD9-HASH-TABLE) "Hordeolum externum")
ETF (GETHASH "373.11" ICD9-HASH-TABLE) "Hordeolum internum")
ETF (GETHASH "373.13" ICD9-HASH-TABLE) "Abscess of eyelid")
ETF (GETHASH "373.3" ICD9-HASH-TABLE) "Chalazion")
ETF (GETHASH "373.3" ICD9-HASH-TABLE)"
ETF (GETHASH "373.3" ICD9-HASH-TABLE)"
ETF (GETHASH "373.3" ICD9-HASH-TABLE)"
ETF (GETHASH "373.3" ICD9-HASH-TABLE)"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Peripheral pterygium, progressive")
(GETHASH "372.43" ICD9-HASH-TABLE) "Central pterygium")
(GETHASH "372.44" ICD9-HASH-TABLE) "Double pterygium")
(GETHASH "372.43" ICD9-HASH-TABLE) "Recurrent pterygium")
(GETHASH "372.53" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Conjunctival degenerations and deposits")
(GETHASH "372.50" ICD9-HASH-TABLE)
"Blepharoconjunctivitis, unspecified")
(SETF (GETHASH "372.21" ICD9-HASH-TABLE)
"Angular blepharoconjunctivitis")
(SETF (GETHASH "372.22" ICD9-HASH-TABLE)
"Contact blepharoconjunctivitis")
(SETF (GETHASH "372.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Noninfectious dermatoses of eyelid")
(GETHASH '"373,31" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Other disorders of conjunctiva")
(GETHASH '"372.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                 SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                 (SETF
```

"Eczematous dermatitis of eyelid") (GETHASH '"373.32" ICD9-HASH-TABLE) "Contact and allergic dermatitis of eyelid")

```
CETHASH "373.8" ICD9-HASH-TABLE)

"Other inflammations of eyelids")

(SETE (GETHASH "372.9" ICD9-HASH-TABLE)

"Unspecified inflammation of eyelid")

(SETE (GETHASH "374.0" ICD9-HASH-TABLE)

"Entropion and trichiasis of eyelid")

(SETE (GETHASH "374.0" ICD9-HASH-TABLE)

"Entropion and trichiasis of eyelid")

(SETE (GETHASH "374.0" ICD9-HASH-TABLE)

"Entropion and trichiasis of eyelid")

(SETE (GETHASH "374.0" ICD9-HASH-TABLE)

(SETE (GETHASH "374.0" ICD9-HASH-TABLE)

(SETE (GETHASH "374.0" ICD9-HASH-TABLE)

(SETE (GETHASH "374.0" ICD9-HASH-TABLE)

(SETE (GETHASH "374.1" ICD9-HASH-TABLE)

(SETE (GETHASH "374.1" ICD9-HASH-TABLE)

(SETE (GETHASH "374.2" ICD9-HASH-TABLE)

(SETE (GETHASH "374.3" ICD9-HASH-TABLE)

(SETE (GETHASH "374.4" ICD9-HASH-TABLE)

(SETE (GETHASH "3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Degenerative disorders of eyelid and periocular area")
"Degenerative disorders of eyelid and periocular area")
"Degenerative disorder of eyelid, unspecified")
"Degenerative disorder of eyelid, unspecified")
"Degenerative disorder of eyelid, unspecified")

EFF (GETHASH "374.52" ICD9-HASH-TABLE) "Xanthelasma")

EFF (GETHASH "374.52" ICD9-HASH-TABLE) "Hyperpigmentation of eyelid")

EFF (GETHASH "374.53" ICD9-HASH-TABLE) "Hyperrichosis of eyelid")

EFF (GETHASH "374.55" ICD9-HASH-TABLE) "Hyperrichosis of eyelid")

EFF (GETHASH "374.58" ICD9-HASH-TABLE) "Hyperrichosis of eyelid")

EFF (GETHASH "374.81" ICD9-HASH-TABLE) "Gener disorders of eyelid")

EFF (GETHASH "374.81" ICD9-HASH-TABLE) "Hyperrichosis of eyelid")

EFF (GETHASH "374.81" ICD9-HASH-TABLE) "Gema of eyelid")

EFF (GETHASH "374.83" ICD9-HASH-TABLE) "Elemantiasis of eyelid")

EFF (GETHASH "374.83" ICD9-HASH-TABLE) "Cysts of eyelid")

EFF (GETHASH "374.88" ICD9-HASH-TABLE) "Wascular anomalies of eyelid")

EFF (GETHASH "374.88" ICD9-HASH-TABLE) "Cysts of eyelid")

EFF (GETHASH "374.88" ICD9-HASH-TABLE) "Cysts of eyelid")
(SETF (GETHASH "373.33" ICD9-HASH-TABLE) "Xeroderma of eyelid")
(SETF (GETHASH "373.34" ICD9-HASH-TABLE)
"Discord ulpus erythematosus of eyelid")
(SETF (GETHASH "373.4" ICD9-HASH-TABLE)
"Infective dermatitis of eyelid of types resulting in deformity")
(SETF (GETHASH "373.5" ICD9-HASH-TABLE)
"Other infective dermatitis of eyelid")
(SETF (GETHASH "373.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
```

(GETHASH '"374.87" ICD9-HASH-TABLE) "Dermatochalasis")

'Retained foreign body of eyelid"

```
SETE (GETHASH "375.32" ICD9-HASH-TABLE) "Acute dacryocystitis")
SETE (GETHASH "375.32" ICD9-HASH-TABLE) "Acute dacryocystitis")
SETE (GETHASH "375.33" ICD9-HASH-TABLE) "Phlegmonous dacryocystitis")
SETE (GETHASH "375.4" ICD9-HASH-TABLE)
"Chronic inflammation of lacrimal passages")
"Chronic inflammation of lacrimal passages")
SETE (GETHASH "375.4" ICD9-HASH-TABLE) "Chronic canaliculitis")
SETE (GETHASH "375.4" ICD9-HASH-TABLE) "Chronic dacryocystitis")
SETE (GETHASH "375.5" ICD9-HASH-TABLE)
"Stenosis and insufficiency of lacrimal passages")
SETE (GETHASH "375.5" ICD9-HASH-TABLE) "Eversion of lacrimal punctum")
SETE (GETHASH "375.52" ICD9-HASH-TABLE) "Stenosis of lacrimal punctum")
SETE (GETHASH "375.53" ICD9-HASH-TABLE) "Stenosis of lacrimal punctum")
SETE (GETHASH "375.53" ICD9-HASH-TABLE) "Stenosis of lacrimal punctum")
(SETF (GETHASH "374.88" ICD9-HASH-TABLE) "Other disorders of eyelid")
(SETF (GETHASH "374.9" ICD9-HASH-TABLE)
"Unspecified disorder of eyelid")
(SETF (GETHASH "375.0" ICD9-HASH-TABLE) "Disorders of lacrimal system")
(SETF (GETHASH "375.0" ICD9-HASH-TABLE) "Dacryoadenitis")
(SETF (GETHASH "375.00" ICD9-HASH-TABLE) "Dacryoadenitis")
(SETF (GETHASH "375.00" ICD9-HASH-TABLE) "Concertion of lacrimal system")
(SETF (GETHASH "375.00" ICD9-HASH-TABLE) "Concertion of lacrimal system")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Epiphora, unspecified as to cause")
(SETF (GETHASH "375.21" ICO9-HASH-TABLE)
(SETF (GETHASH "375.22" ICO9-HASH-TABLE)

"Epiphora due to insufficient drainage")
(SETF (GETHASH "375.3" ICO9-HASH-TABLE)
"Acute and unspecified inflammation of lacrimal passages")
(SETF (GETHASH "375.3" ICO9-HASH-TABLE)
(SETF (GETHASH "375.3" ICO9-HASH-TABLE)
(SETF (GETHASH "375.31" ICO9-HASH-TABLE)
                                                                                                                                                                                                                                                                                               (SETF (GETHASH "1375.00" ICD9-HASH-TABLE) "Dacryoadentis")
(SETF (GETHASH "1375.00" ICD9-HASH-TABLE) "Dacryoadentis, unspecified")
(SETF (GETHASH "1375.00" ICD9-HASH-TABLE) "Acute dacryoadentis, unspecified")
(SETF (GETHASH "1375.01" ICD9-HASH-TABLE) "Chronic dacryoadenitis")
(SETF (GETHASH "1375.03" ICD9-HASH-TABLE)
"Chronic enlargement of lacrimal gland")
(SETF (GETHASH "1375.11" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF (GETHASH "375.13" ICD9-HASH-TABLE) "Primary lacrimal atrophy") (SETF (GETHASH "375.14" ICD9-HASH-TABLE) "Primary lacrimal atrophy") (SETF (GETHASH "375.14" ICD9-HASH-TABLE) "Secondary lacrimal atrophy") (SETF (GETHASH "375.14" ICD9-HASH-TABLE) "Tear film insufficiency, unspecified") (SETF (GETHASH "375.16" ICD9-HASH-TABLE) "Dislocation of lacrimal gland") (SETF (GETHASH "375.2" ICD9-HASH-TABLE) "Epiphora") (SETF (GETHASH "375.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Unspecified disorder of lacrimal system")
(GETHASH ""376" ICD9-HASH-TABLE) "Disorders of the orbit")
(GETHASH ""376.0" ICD9-HASH-TABLE) "Acute inflammation of orbit")
(GETHASH ""376.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Stenosis of lacrimal canaliculi")
(GETHASH '"375.54" ICD9-HASH-TABLE) "Stenosis of lacrimal sac")
(GETHASH '"375.55" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Obstruction of nasolacrimal duct, neonatal")
(GETHASH "375.56" ICD9-HASH-TABLE)
"Stenosis of nasolacrimal duct, acquired")
(GETHASH "375.57" ICD9-HASH-TABLE) "Dacryolith")
(GETHASH "375.6" ICD9-HASH-TABLE) "Dacryolith")
(GETHASH "375.6" ICD9-HASH-TABLE) "Lacrimal fistula")
(GETHASH "375.6" ICD9-HASH-TABLE) "Lacrimal fistula")
(GETHASH "375.6" ICD9-HASH-TABLE) "Other")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Other disorders of Tacrimal gland")
(GETHASH "375.11" ICD9-HASH-TABLE) "Dacryops")
(GETHASH "375.12" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Granuloma of lacrimal passages")
(GETHASH "375.89" ICD9-HASH-TABLE) "Other")
(GETHASH "375.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Other disorders of lacrimal system")
(SETF (GETHASH '"375.81" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF (SETF (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
(SETF
```

```
Parasitic infestation of orbit")

ETF (GETHASH "376.2" ICD9-HASH-TABLE) "Endocrine exophthalmos")

ETF (GETHASH "376.2" ICD9-HASH-TABLE) "Thyrotoxic exophthalmos")

ETF (GETHASH "376.2" ICD9-HASH-TABLE) "Exophthalmic ophthalmoplegia")

ETF (GETHASH "376.30" ICD9-HASH-TABLE) "Exophthalmic onditions")

ETF (GETHASH "376.30" ICD9-HASH-TABLE) "Constant exophthalmos")

ETF (GETHASH "376.32" ICD9-HASH-TABLE) "Orbital hemorrhage")

ETF (GETHASH "376.33" ICD9-HASH-TABLE) "Orbital edema or congestion")

ETF (GETHASH "376.33" ICD9-HASH-TABLE) "Orbital edema or congestion")

ETF (GETHASH "376.33" ICD9-HASH-TABLE) "Intermittent exophthalmos")

ETF (GETHASH "376.33" ICD9-HASH-TABLE) "Intermittent exophthalmos")

ETF (GETHASH "376.33" ICD9-HASH-TABLE) "Pulsating exophthalmos")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETE (GETHASH "376.40" ILOD-HASH-TABLE) "Hypertelorism of orbit")
(SETE (GETHASH "376.41" ILOD-HASH-TABLE) "Hypertelorism of orbit")
(SETE (GETHASH "376.41" ILOD-HASH-TABLE) "Exostosis of orbit")
(SETE (GETHASH "376.41" ILOD-HASH-TABLE) "Corbit of orbit")
(SETE (GETHASH "376.43" ILOD-HASH-TABLE)

"Local deformities due to bone disease")
(SETE (GETHASH "376.44" ILOD-HASH-TABLE)
"Orbital deformities associated with craniofacial deformities")
(SETE (GETHASH "376.45" ILOD-HASH-TABLE) "Atrophy of orbit")
(SETE (GETHASH "376.47" ILOD-HASH-TABLE)
"Deformity due to trauma or surgery")
(SETE (GETHASH "376.5" ILOD-HASH-TABLE)
"Deformity due to trauma or surgery")
(SETE (GETHASH "376.5" ILOD-HASH-TABLE)
"Enophthalmos, unspecified as to cause")
(SETE (GETHASH "376.51" ILOD-HASH-TABLE)
"Enophthalmos, unspecified as to cause")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Enophthalmos due to atrophy of orbital tissue")
(SETF (GETHASH "376.52" ICD9-HASH-TABLE)
(SETF (GETHASH "376.6" ICD9-HASH-TABLE)

"Retained (old) foreign body following penetrating wound of orbit")
(SETF (GETHASH "376.8" ICD9-HASH-TABLE) "Other orbital disorders")
(SETF (GETHASH "376.82" ICD9-HASH-TABLE) "Orbital cysts")
(SETF (GETHASH "376.82" ICD9-HASH-TABLE) "Orbital cysts")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Myopathy of extracular muscles")
(GETHASH "376.89" ICD9-HASH-TABLE) "Other")
(GETHASH "376.89" ICD9-HASH-TABLE) "Unspecified disorder of orbit")
(GETHASH "377. ICD9-HASH-TABLE)
"Disorders of optic nerve and visual pathways")
(GETHASH "377.0" ICD9-HASH-TABLE) "Papilledema")
(GETHASH "377.01" ICD9-HASH-TABLE) "Papilledema, unspecified")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF (GETHASH "377.03" ICD9-HASH-TABLE)
(SETF (GETHASH "377.03" ICD9-HASH-TABLE)
"Papilledema associated with retinal disorder")
(SETF (GETHASH "377.04" ICD9-HASH-TABLE) "Foster-Kennedy syndrome")
(SETF (GETHASH "377.1" ICD9-HASH-TABLE) "Optic atrophy, unspecified")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Papilledema associated with increased intracranial pressure") (SETF (GETHASH ""377.02" ICD9-HASH-TABLE)
"Acute inflammation of orbit, unspecified")
(SETF (GETHASH "376.01" ICD9-HASH-TABLE) "Orbital cellulitis")
(SETF (GETHASH "376.02" ICD9-HASH-TABLE) "Orbital periostitis")
(SETF (GETHASH "376.03" ICD9-HASH-TABLE) "Orbital osteomyelitis")
(SETF (GETHASH "376.1" ICD9-HASH-TABLE) "Tenonitis")
(SETF (GETHASH "376.1" ICD9-HASH-TABLE)
"Chronic inflammatory disorders of orbit")
(SETF (GETHASH "376.10" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Chronic inflammation of orbit, unspecified")
(GETHASH "376.12" ICD9-HASH-TABLE) "Orbital granuloma")
(GETHASH "376.12" ICD9-HASH-TABLE) "Orbital myositis")
(GETHASH "376.13" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Lateral displacement of globe")
(GETHASH ""376.4" ICD9-HASH-TABLE) "Deformity of orbit")
(GETHASH ""376.40" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
(SETF
```

```
(SET (GETMASH "377.11" ICD9-HASH-TABLE "Primary optic atrophy")

(SET (GETMASH "377.12" ICD9-HASH-TABLE "Primary optic atrophy")

(SET (GETMASH "377.12" ICD9-HASH-TABLE "Partial optic atrophy")

(SET (GETMASH "377.12" ICD9-HASH-TABLE "Partial optic atrophy")

(SET (GETMASH "377.12" ICD9-HASH-TABLE "Partial optic atrophy")

(SET (GETMASH "377.12" ICD9-HASH-TABLE "Primare of optic disc")

(SET (GETMASH "377.2" ICD9-HASH-TABLE "Other end sorders of optic disc")

(SET (GETMASH "377.2" ICD9-HASH-TABLE "Other end optic disc")

(SET (GETMASH "377.2" ICD9-HASH-TABLE "Other end optic disc")

(SET (GETMASH "377.2" ICD9-HASH-TABLE "Other end its "ICD9-HASH-TABLE "OTHER "OT
```

"Monocular esotropia with other noncomitancies") (GETHASH ""378.05" ICD9-HASH-TABLE) "Alternating esotropia") (GETHASH ""378.06" ICD9-HASH-TABLE)

"Monocular esotropia with V pattern") (SETF (GETHASH '"378.04" ICD9-HASH-TABLE)

```
(SEP (CETMASH "378 30" ICD9-MASH-TARLE) "

(SEP (CETMASH "378 30" ICD9-MASH-TARLE) "Rotropia")

(SEP (CETMASH "378 30" ICD9-MASH-TARLE) "Rotropia")

(SEP (CETMASH "378 31" ICD9-MASH-TARLE) "Alternating exotropia")

(SEP (CETMASH "378 32" ICD9-MASH-TARLE) "Ecophoria")

(SEP (CETMASH "378 32" ICD9-MASH-TARLE) "Ecophoria")

(SEP (CETMASH "378 33" ICD9-MASH-TARLE) "Ecophoria")

(SEP (CETMASH "37
```

```
This perified disorder of eye movements."

"Unspecified disorder of eye movements."

"Unspecified disorder of eye movements."

"Unspecified disorder of eye movements."

EEF (GETHASH "379.00" ICD9-HASH-TABLE) "Scleritis, and episcleritis.")

SETE (GETHASH "379.00" ICD9-HASH-TABLE) "Scleritis, unspecified")

EEF (GETHASH "379.00" ICD9-HASH-TABLE) "Nodular episcleritis.")

SETE (GETHASH "379.02" ICD9-HASH-TABLE) "Nodular episcleritis.")

SETE (GETHASH "379.03" ICD9-HASH-TABLE) "Scleromalacia perforans.")

SETE (GETHASH "379.04" ICD9-HASH-TABLE) "Scleromalacia perforans.")

SETE (GETHASH "379.05" ICD9-HASH-TABLE) "Scleromalacia perforans.")

SETE (GETHASH "379.06" ICD9-HASH-TABLE) "Scleromalacia perforans.")

SETE (GETHASH "379.09" ICD9-HASH-TABLE) "Other disorders of sclera")

SETE (GETHASH "379.12" ICD9-HASH-TABLE) "Scleral ectasia.")

SETE (GETHASH "379.12" ICD9-HASH-TABLE) "Scleral")

SETE (GETHASH "379.12" ICD9-HASH-TABLE) "Ring staphyloma")

SETE (GETHASH "379.12" ICD9-HASH-TABLE) "Other")

SETE (GETHASH "379.12" ICD9-HASH-TABLE) "Ring staphyloma")

SETE (GETHASH "379.21" ICD9-HASH-TABLE) "Other")

SETE (GETHASH "379.21" ICD9-HASH-TABLE) "Other")

SETE (GETHASH "379.22" ICD9-HASH-TABLE) "Vitreous degeneration")

SETE (GETHASH "379.22" ICD9-HASH-TABLE) "Vitreous degeneration")

SETE (GETHASH "379.22" ICD9-HASH-TABLE) "Vitreous degeneration")

SETE (GETHASH "379.22" ICD9-HASH-TABLE) "CONTONE "CON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TCUTYSTAIL THE DESCRIPTION OF THE PROPERTY OF 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Other disorders of binocular eye movements")
(GETHASH "378.81" ICD9-HASH-TABLE) "Palsy of conjugate gaze")
(GETHASH "378.82" ICD9-HASH-TABLE) "Spasm of conjugate gaze")
(GETHASH "378.82" ICD9-HASH-TABLE) "Convergence insufficiency or palsy")
(GETHASH "378.84" ICD9-HASH-TABLE) "Convergence excess or spasm")
(GETHASH "378.86" ICD9-HASH-TABLE) "Anomalies of divergence")
(GETHASH "378.86" ICD9-HASH-TABLE) "Internuclear ophthalmoplegia")
                                                                                                                                 "Limited duction associated with other conditions")
(GETHASH "378.7" ICD9-HASH-TABLE) "Other specified strabismus")
(GETHASH "378.71" ICD9-HASH-TABLE) "buane's syndrome")
(GETHASH "378.72" ICD9-HASH-TABLE)
"Progressive external ophthalmoplegia")
(GETHASH "378.73" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Posterior dislocation of lens")
(GETHASH '"379.39" ICD9-HASH-TABLE) "Other disorders of lens")
(GETHASH '"379.4" ICD9-HASH-TABLE)
                                       "Mechanical strabismus from other musculofascial disorders")
(SETF (GETHASH '"378.63" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Other dissociated deviation of eye movements")
(GETHASH '"378.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                            "Strabismus in other neuromuscular disorders") (GETHASH '"378.8" ICD9-HASH-TABLE)
(GETHASH '"378.62" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF (
                                                                                                                                                                                       (SETF (SETF (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
(SETF
(SETF
    (SETF
```

"Anomalies of pupillary function") (SETF (GETHASH ""379,40" ICD9-HASH-TABLE)

```
(SETF (GETHASH "379.9" ICD9-HASH-TABLE)

(SETF (GETHASH "379.9" ICD9-HASH-TABLE)

(SETF (GETHASH "379.9" ICD9-HASH-TABLE)

(SETF (GETHASH "379.90" ICD9-HASH-TABLE) "Pain in or around eye")

(SETF (GETHASH "379.99" ICD9-HASH-TABLE) "Swelling or mass of eye")

(SETF (GETHASH "379.99" ICD9-HASH-TABLE) "Redness or discharge of eye")

(SETF (GETHASH "379.99" ICD9-HASH-TABLE)

"Other ill-defined disorders of eye")

(SETF (GETHASH "380" ICD9-HASH-TABLE)

(SETF (GETHASH "380" ICD9-HASH-TABLE) "Perichondritis of pinna")

(SETF (GETHASH "380" O" ICD9-HASH-TABLE) "Perichondritis of pinna")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Cholesteatoma of external ear")
(GEHASH "1380.22" ICDD-HASH-TABLE) "Other acute otitis externa")
(GETHASH "1380.2" ICD9-HASH-TABLE) "Other chronic otitis externa")
(GETHASH "1380.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF (GETHASH ""380.30" ICD9-HASH-TABLE)
"Disorder of pinna, unspecified")
(SETF (GETHASH ""380.31" ICD9-HASH-TABLE) "Hematoma of auricle or pinna")
                                                                                                                                                                                                                                                                                                                                            "Nystagmus and other irregular eye movements")
(GETHASH "379.50" ICD9-HASH-TABLE) "Nystagmus, unspecified")
(GETHASH "379.51" ICD9-HASH-TABLE) "Congenital nystagmus")
(GETHASH "379.52" ICD9-HASH-TABLE) "Latent nystagmus")
(GETHASH "379.53" ICD9-HASH-TABLE) "Visual deprivation nystagmus")
(GETHASH "379.54" ICD9-HASH-TABLE)
                                                                         "Wissis (persistent), not due to miotics")

"Missis (persistent), not due to miotics")

"GETHASH "379.43" ICD9-HASH-TABLE)

"GETHASH "379.45" ICD9-HASH-TABLE)

"GETHASH "379.46" ICD9-HASH-TABLE) "Tonic pupillary reaction")

(GETHASH "379.49" ICD9-HASH-TABLE) "Other")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Nystagmus associated with disorders of the vestibular system") (GETHASH '"379.55" ICD9-HASH-TABLE) "Dissociated nystagmus") (GETHASH '"379.56" ICD9-HASH-TABLE) "Other forms of nystagmus") (GETHASH '"379.57" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Infective otitis externa, unspecified")
(GETHASH "380.11" ICD9-HASH-TABLE) "Acute infection of pinna")
(GETHASH "380.12" ICD9-HASH-TABLE) "Acute swimmers' ear")
(GETHASH "380.13" ICD9-HASH-TABLE) "Acute swimmers' ear")
(GETHASH "380.14" ICD9-HASH-TABLE) "Malignant otitis external (GETHASH "380.15" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF (GETHASH "380.02" ICD9-HASH-TABLE)

(SETF (GETHASH "380.12" ICD9-HASH-TABLE)

(CHORIC perichondritis of pinna")

(SETF (GETHASH "380.1" ICD9-HASH-TABLE)

(SETF (GETHASH "380.10" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Other chronic infective otitis externa")
(GETHASH '"380.2" ICD9-HASH-TABLE) "Other otitis externa")
(GETHASH '"380.21" ICD9-HASH-TABLE)
"Abnormal pupillary function, unspecified")
(GETHASH '"379.41" ICD9-HASH-TABLE) "Anisocoria")
(GETHASH '"379.42" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Deficiencies of saccadic eye movements")
(SETF (GETHASH "379.58" ICD9-HASH-TABLE)
"Deficiencies of smooth pursuit movements")
(SETF (GETHASH "379.59" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Other irregularities of eye movements") (SETF (GETHASH '"379.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Perichondritis of pinna, unspecified")
(GETHASH '"380.01" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Chronic mycotic otitis externa")
(GETHASH '"380.16" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Noninfectious disorders of pinna")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
(SETF
(SETF
                                                                                                                              (SETF
                                                                                                                                                                                                                                                     (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                (SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                          (SETF
```

```
(SETF (CETMASH "380.3" C109—MSH-TABLE) "Other")

(SETF (CETMASH "380.4" ICD9—MSH-TABLE) "Other")

(SETF (CETMASH "380.9" ICD9—MSH-TABLE) "Impacted cerumen")

(SETF (CETMASH "380.9" ICD9—MSH-TABLE) "Impacted cerumen")

(SETF (CETMASH "380.9" ICD9—MSH-TABLE) "Secondary to inflammation")

(SETF (CETMASH "380.9" ICD9—MSH-TABLE) "Other")

(SETF (CETMASH "380.9" ICD9—MSH-TABLE) "Acute macroid oritis media")

(SETF (CETMASH "380.9" ICD9—MSH-TABLE) "Acute macroid oritis media")

(SETF (CETMASH "381.1" ICD9—MSH-TABLE) "Acute macroid oritis media")

(SETF (CETMASH "381.1" ICD9—MSH-TABLE) "Acute macroid oritis media")

(SETF (CETMASH "381.2" ICD9—MSH-T
```

```
"Acute suppurative offitis media without spontaneous rupture of ear drum")
(SETF (GETHASH "38.01" ICD9-HASH-TABLE)
(SETF (GETHASH "38.01" SONT ICD9-HASH-TABLE)
(SETF (GETHASH "38.0" ICD9-HASH-TABLE)
"Acute suppurative offitis media in diseases classified elsewhere")
(SETF (GETHASH "38.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SET (GETHASH "383.10" ICD9-HASH-TABLE) "Acute mastoiditis")
SETF (GETHASH "383.0" ICD9-HASH-TABLE) "Acute mastoiditis")
SETF (GETHASH "383.00" ICD9-HASH-TABLE) "Acute mastoiditis without complications")
SETF (GETHASH "383.01" ICD9-HASH-TABLE)
"Subperiosteal abscess of mastoid")
SETF (GETHASH "383.02" ICD9-HASH-TABLE) "Acute mastoiditis with other complications")
SETF (GETHASH "383.1" ICD9-HASH-TABLE) "Petrositis")
SETF (GETHASH "383.20" ICD9-HASH-TABLE) "Petrositis")
SETF (GETHASH "383.20" ICD9-HASH-TABLE) "Petrositis")
SETF (GETHASH "383.22" ICD9-HASH-TABLE) "Chronic petrositis")
SETF (GETHASH "383.23" ICD9-HASH-TABLE) "Chronic petrositis")
SETF (GETHASH "383.23" ICD9-HASH-TABLE) "Chronic petrositis")
SETF (GETHASH "383.30" ICD9-HASH-TABLE) "Chronic petrositis")
SETF (GETHASH "383.30" ICD9-HASH-TABLE)
"Complications following mastoidectomy")
"Postmastoidectomy complication, unspecified")
"Postmastoidectomy complication, unspecified")
"SETF (GETHASH "383.31" ICD9-HASH-TABLE)
"GETHASH "383.31" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Granulations of postmastoidectomy cavity")
(GETHASH "383.8" ICD9-HASH-TABLE) "Other disorders of mastoid")
(GETHASH "383.8" ICD9-HASH-TABLE) "Postauricular fistula")
(GETHASH "383.89" ICD9-HASH-TABLE) "Other")
(GETHASH "383.9" ICD9-HASH-TABLE) "Unspecified mastoiditis")
(GETHASH "384" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Unspecified suppurative otitis media")
(GETHASH '"382.9" ICD9-HASH-TABLE) "Unspecified otitis media")
(GETHASH '"383" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Other disorders of tympanic membrane")
(GETHASH "384.0" ICD9-HASH-TABLE)
"Acure myringitis without mention of otitis media")
(GETHASH "384.00" ICD9-HASH-TABLE)
"Acute myringitis, unspecified")
(GETHASH "384.01" ICD9-HASH-TABLE)
(GETHASH "384.01" ICD9-HASH-TABLE) "Bullous myringitis")
(GETHASH "384.09" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Recurrent cholesteatoma of postmastoidectomy cavity") (GETHASH "383.33" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Chronic myringitis without mention of otitis media") (SETF (GETHASH "384.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Chronic tubotympanic suppurative otitis media")
(SETF (GETHASH "382.2" ICD9-HASH-TABLE)
"Chronic atticoantral suppurative otitis media")
(SETF (GETHASH "382.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Unspecified chronic suppurative otitis media")
(GETHASH ""382.4" ICD9-HASH-TABLE)
                      (SETF (GETHASH ""381.89" ICD9-HASH-TABLE) "Other")
(SETF (GETHASH ""381.9" ICD9-HASH-TABLE)
"Unspecified Eustachian tube disorder")
(SETF (GETHASH ""382" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Mucosal cyst of postmastoidectomy cavity")
(GETHASH '"383,32" ICD9-HASH-TABLE)
                                                                                                                                                                    "Suppurative and unspecified ofitis media")
(SETF (GETHASH '"382.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Perforation of tympanic membrane") (SETF (GETHASH - "384, 20" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                               "Acute suppurative otitis media") (SETF (GETHASH '"382.00" ICD9-HASH-TABLE)
"Dysfunction of Eustachian tube")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
```

"Perforation of tympanic membrane, unspecified") (SETF (GETHASH '"384.21" ICD9-HASH-TABLE)

```
(SETE (CETHASH 1984/57-TABLE)

(SETE (CETHASH 1984/57-TICON of tympanic membrane")

(SETE (CETHASH 1984.27 ICON-HASH-TABLE)

(SETE (CETHASH 1985.27 ICON-HASH-TABLE)

(SETE (CETHASH 1985.27 ICON-HASH-TABLE)

(SETE (CETHASH 1985.20 ICON-HASH-TA
```

"Unspecified disorder of middle ear and mastoid")

```
(SEIF (CETMASH "1886" LODD-MASH-TABLE)

(SEIF
```

```
SETF (GETHASH "388.12 ILU9-HASH-TABLE)
"Acoustic tramma (explosive) to ear")
SETF (GETHASH "388.12" ICD9-HASH-TABLE)
"SETF (GETHASH "388.12" ICD9-HASH-TABLE)
"SETF (GETHASH "388.3" ICD9-HASH-TABLE)
"SUdden hearing] loss, unspecified")
SETF (GETHASH "388.3" ICD9-HASH-TABLE) "Tinnitus, unspecified")
SETF (GETHASH "388.3" ICD9-HASH-TABLE) "Subjective tinnitus")
SETF (GETHASH "388.4" ICD9-HASH-TABLE) "Objective tinnitus")
SETF (GETHASH "388.4" ICD9-HASH-TABLE) "Diplacusis")
SETF (GETHASH "388.4" ICD9-HASH-TABLE) "Otorrhea")
SETF (GETHASH "388.6" ICD9-HASH-TABLE) "Otorrhea")
SETF (GETHASH "388.7" ICD9-HASH-TABLE) "Otorrhea")
SETF (GETHASH "388.9" ICD9-HASH
(SETF (GETHASH ""388.01" ICD9-HASH-TABLE) "Presbyacusis")
(SETF (GETHASH ""388.02" ICD9-HASH-TABLE) "Transient ischemic deafness")
(SETF (GETHASH ""388.11" ICD9-HASH-TABLE) "Noise effects on inner ear")
(SETF (GETHASH ""388.10" ICD9-HASH-TABLE) "Noise effects on inner ear")
(Noise effects on inner ear, unspecified")
(SETF (GETHASH ""388.11" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF (GETHASH "389.1" ICD9-HASH-TABLE) "Sensorineural hearing loss")
(SETF (GETHASH "389.1" ICD9-HASH-TABLE) "Sensorineural hearing loss")
(SETF (GETHASH "389.1" ICD9-HASH-TABLE) "Sensorineural hearing loss")
(SETF (GETHASH "389.11" ICD9-HASH-TABLE) "Sensory hearing loss")
(SETF (GETHASH "389.12" ICD9-HASH-TABLE) "Central hearing loss")
(SETF (GETHASH "389.14" ICD9-HASH-TABLE) "Central hearing loss")
(SETF (GETHASH "389.2" ICD9-HASH-TABLE) "Sensorineural hearing loss")
(SETF (GETHASH "389.2" ICD9-HASH-TABLE)
(SETF (GETHASH "389.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Other specified forms of hearing loss")
(GETHASH "389.9" ICD9-HASH-TABLE) "Unspecified hearing loss")
(GETHASH "390" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Rheumatic fever without mention of heart involvement")
(SETF (GETHASH ""391" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Mixed conductive and sensorineural hearing loss")
(GETHASH ""389.7" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Conductive hearing loss, tympanic membrane")
(SETF (GETHASH '"389.03" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Deaf mutism, not elsewhere classifiable")
(SETF (GETHASH '"389.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Conductive hearing loss, external ear")
(GETHASH ""389.02" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Conductive hearing loss, unspecified")
(GETHASH '"389.01" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Conductive hearing loss, middle ear")
(GETHASH "389.04" ILOP-HASH-TABLE)
"Conductive hearing loss, inner ear")
(GETHASH "389.08" ICO9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF (GETHASH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SET | SET |
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
```

```
"Without mention of heart involvement")
(GETHASH "393" ICD9-HASH-TABLE) "Chronic rheumatic pericarditis")
(GETHASH "394" ICD9-HASH-TABLE) "Diseases of mitral valve")
(GETHASH "394.0" ICD9-HASH-TABLE) "Witral stenosis")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Other and unspecified rheumatic heart diseases")

"Other and unspecified rheumatic heart diseases")

"Rheumatic heart disease, unspecified")

"ET (GETHASH "398.91" ICD9-HASH-TABLE)
"Rheumatic heart failure (congestive)")

"ETF (GETHASH "398.99" ICD9-HASH-TABLE) "Other")

"ETF (GETHASH "401." ICD9-HASH-TABLE) "Sesential hypertension")

"ETF (GETHASH "401.1" ICD9-HASH-TABLE) "Benign")

"ETF (GETHASH "401.1" ICD9-HASH-TABLE) "Benign")

"ETF (GETHASH "401.1" ICD9-HASH-TABLE) "Inspecified")

"ETF (GETHASH "402.0" ICD9-HASH-TABLE) "Hypertensive heart disease")

"ETF (GETHASH "402.0" ICD9-HASH-TABLE)"

"ETF (GETHASH "402.00" ICD9-HASH-TABLE)"
                        (GETHASH "391.0" ICD9-HASH-TABLE) "Acute rheumatic pericarditis") (GETHASH "391.1" ICD9-HASH-TABLE) "Acute rheumatic endocarditis") (GETHASH "391.2" ICD9-HASH-TABLE) "Acute rheumatic myocarditis") (GETHASH "391.2" ICD9-HASH-TABLE) "Acute rheumatic myocarditis") (GETHASH "391.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Diseases of Other endocardial structures")
(GETHASH "397.0" ICD9-HASH-TABLE) "Diseases of tricuspid valve")
(GETHASH "397.0" ICD9-HASH-TABLE)
(GETHASH "397.1" ICD9-HASH-TABLE)
(GETHASH "397.9" ICD9-HASH-TABLE)
"Rheumatic diseases of endocardium, valve unspecified")
(GETHASH "398" ICD9-HASH-TABLE)
(GETHASH "398.0" ICD9-HASH-TABLE)
(GETHASH "398.0" ICD9-HASH-TABLE)
(GETHASH "398.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF (GETHASH "395.7" ICD9-HASH-TABLE)

(SETF (GETHASH "395.0" LCD9-HASH-TABLE) "Rheumatic aortic valve")

(SETF (GETHASH "395.0" LCD9-HASH-TABLE) "Rheumatic aortic stenosis")

(SETF (GETHASH "395.1" LCD9-HASH-TABLE)

"Rheumatic aortic insufficiency")

(SETF (GETHASH "395.2" LCD9-HASH-TABLE)

"Rheumatic aortic stenosis with insufficiency")

(SETF (GETHASH "395.9" LCD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Mitral valve stenosis and acrtic valve insufficiency")
(GETHASH "396.2" ICD9-HASH-TABLE)

"Mitral valve insufficiency and acrtic valve stenosis")
(GETHASH "396.3" ICD9-HASH-TABLE)
(GETHASH "396.3" ICD9-HASH-TABLE)
(GETHASH "396.3" ICD9-HASH-TABLE)
(GETHASH "396.9" ICD9-HASH-TABLE)
(GETHASH "396.9" ICD9-HASH-TABLE)
                                                                                                                                                       "Other acute rheumatic heart disease")
(SETF (GETHASH "391.9" ICD9-HASH-TABLE)
"Acute rheumatic heart disease, unspecified")
(SETF (GETHASH "392. O" ICD9-HASH-TABLE) "Rheumatic chorea")
(SETF (GETHASH "392. O" ICD9-HASH-TABLE) "With heart involvement")
(SETF (GETHASH "392.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF (GETHASH "1396.0" ICD9-HASH-TABLE)
(SETF (GETHASH "1396.0" ICD9-HASH-TABLE)
(SETF (GETHASH "1396.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Mitral valve stenosis and aortic valve stenosis")
(GETHASH '"396.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Mitral and aortic valve diseases, unspecified")
(SETF (GETHASH ""397" ICD9-HASH-TABLE)
"Rheumatic fever with heart involvement")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Rheumatic mitral insufficiency")
(SETF (GETHASH "394.2" ICD9-HASH-TABLE)
"Mitral stenosis with insufficiency")
(SETF (GETHASH "394.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF (SETF (SETF )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
                            (SETF
(SETF
(SETF
(SETF
```

```
LET (CETHASH "404" ILO9-HASH-TABLE) "Walignant")

ETF (CETHASH "404.0" ICO9-HASH-TABLE) "Walignant")

ETF (CETHASH "404.1" ICO9-HASH-TABLE) "Wanignant")

ETF (CETHASH "404.1" ICO9-HASH-TABLE) "Bengin")

ETF (CETHASH "404.0" ICO9-HASH-TABLE) "Secondary hypertension")

ETF (CETHASH "405.0" ICO9-HASH-TABLE) "Manignant")

ETF (CETHASH "405.0" ICO9-HASH-TABLE) "Renovascular")

ETF (CETHASH "405.10" ICO9-HASH-TABLE) "Renovascular")

ETF (CETHASH "405.19" ICO9-HASH-TABLE) "Renovascular")

ETF (CETHASH "405.19" ICO9-HASH-TABLE) "Renovascular")

ETF (CETHASH "405.9" ICO9-HASH-TABLE) "Of anterolateral wall")

ETF (CETHASH "410.1" ICO9-HASH-TABLE) "Of inferolateral wall")

ETF (CETHASH "410.4" ICO9-HASH-TABLE) "Of inferolateral wall")

ETF (CETHASH "410.4" ICO9-HASH-TABLE) "Of other inferior wall")

ETF (CETHASH "410.4" ICO9-HASH-TABLE) "Of other inferior wall")

ETF (CETHASH "410.4" ICO9-HASH-TABLE) "Of other lateral wall")

ETF (CETHASH "410.6" ICO9-HASH-TABLE) "Of other lateral wall")

ETH (CETHASH "410.8" ICO9-HASH-TABLE) "Of other lateral wall")

ETH (CETHASH "410.8" ICO9-HASH-TABLE) "Of other lateral wall")

ETH (CETHASH "410.8" ICO9-HASH-TABLE) "Of other specified sites")

ETH (CETHASH "410.8" ICO9-HASH-TABLE) "Of other specified sites")

ETH (CETHASH "410.8" ICO9-HASH-TABLE) "Of other specified sites")

ETH (CETHASH "410.8" ICO9-HASH-TABLE) "Of other specified sites")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF (GETHASH ""414.0" ICD9-HASH-TABLE) "Coronary atherosclerosis") (SETF (GETHASH ""414.00" ICD9-HASH-TABLE) "Of unspecified type of vessel, native or graft") (SETF (GETHASH ""414.01" ICD9-HASH-TABLE) "Of native coronary artery")
                                                                                                                                                                                                                                                                                                            "Without congestive heart failure")
(GETHASH "402.91" ICD9-HASH-TABLE)
"With congestive heart failure")
(GETHASH "403. ICD9-HASH-TABLE) "Hypertensive renal disease")
(GETHASH "403. ICD9-HASH-TABLE) "Walignant")
(GETHASH "403.1" ICD9-HASH-TABLE) "Benign")
(GETHASH "403.9" ICD9-HASH-TABLE) "Unspecified")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Coronary occlusion without myocardial infarction")
(GETHASH "411.89" ICD9-HASH-TABLE) "Other")
(GETHASH "412" ICD9-HASH-TABLE) "Old myocardial infarction")
(GETHASH "413. ICD9-HASH-TABLE) "Angina pectoris")
(GETHASH "413.0" ICD9-HASH-TABLE) "Angina decubitus")
(GETHASH "413.1" ICD9-HASH-TABLE) "Prinzmetal angina")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Other acute and subacute forms of ischemic heart disease")
                                                                                                                                                      "Without congestive heart failure")
(GETHASH "402.11" ICD9-HASH-TABLE)
"With congestive heart failure"
(GETHASH "402.9" ICD9-HASH-TABLE) "Unspecified")
(GETHASH "402.90" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Other and unspecified angina pectoris")
(GETHASH ""414" ICD9-HASH-TABLE)
"Other forms of chronic ischemic heart disease")
"without congestive heart failure")
(GETHASH "402.01" ICD9-HASH-TABLE)
"with congestive heart failure")
(GETHASH "402.1" ICD9-HASH-TABLE) "Benign")
(GETHASH "402.10" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Intermediate coronary syndrome")
(GETHASH "411.8" ICD9-HASH-TABLE) "Other")
(GETHASH "411.81" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (GETHASH "411.0" ICD9-HASH-TABLE)
"Postmyocardial infarction syndrome")
(GETHASH "411.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (GETHASH '"404" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                              (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                              (SETF
                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                    (SETF
                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SETF
SETF
SETF
SETF
SETF
SETF
                                   (SETF
                                                                                                                                                                                                                                                                                         (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                            SETF
(SETF
(SETF
(SETF
```

```
(SETF (GETHASH "420" LUU9-HASH-IABLE)

(SETF (GETHASH "420" ICD9-HASH-TABLE) "Acute pericarditis")

(SETF (GETHASH "420.0" ICD9-HASH-TABLE)

(SETF (GETHASH "420.90" ICD9-HASH-TABLE)

"Acute pericarditis in diseases classified elsewhere")

(SETF (GETHASH "420.90" ICD9-HASH-TABLE)

"Acute pericarditis, unspecified")

(SETF (GETHASH "420.99" ICD9-HASH-TABLE)

"Acute didiopathic pericarditis")

(SETF (GETHASH "421." ICD9-HASH-TABLE) "Acute and subacute endocarditis")

(SETF (GETHASH "421." ICD9-HASH-TABLE) "Acute and subacute bacterial endocarditis")

(SETF (GETHASH "421." ICD9-HASH-TABLE)

"Acute and subacute bacterial endocarditis")

(SETF (GETHASH "421.0" ICD9-HASH-TABLE)

"Acute and subacute bacterial endocarditis")

(SETF (GETHASH "421.9" ICD9-HASH-TABLE)

"Acute and subacute infectivendocarditis in diseases classified elsewhere")

(SETF (GETHASH "421.9" ICD9-HASH-TABLE)

"Acute and subacute infectivendocarditis in diseases classified elsewhere")
                                                                                                                                                           The formation and the follogical bypass graft")

ETF (CETHASH "414.04" ICD9-HASH-TABLE) "Of artery bypass graft")

ETF (CETHASH "414.05" ICD9-HASH-TABLE) "Of artery bypass graft")

ETF (CETHASH "414.05" ICD9-HASH-TABLE) "Of heart (wall)")

ETF (CETHASH "414.10" ICD9-HASH-TABLE) "Of heart (wall)")

ETF (CETHASH "414.11" ICD9-HASH-TABLE) "Of coronary vessels")

ETF (CETHASH "414.11" ICD9-HASH-TABLE) "Of coronary vessels")

ETF (CETHASH "414.11" ICD9-HASH-TABLE) "Of coronary vessels")

ETF (CETHASH "414.11" ICD9-HASH-TABLE) "Other")

ETF (CETHASH "414.9" ICD9-HASH-TABLE)

"Other specified forms of chronic ischemic heart disease")

ETF (CETHASH "415" ICD9-HASH-TABLE)

"Chronic ischemic heart disease, unspecified")

ETF (CETHASH "415" ICD9-HASH-TABLE) "Acute cor pulmonale")

ETF (CETHASH "415.11" ICD9-HASH-TABLE)

ETF (EETHASH "415.11" ICD9-HASH-TABLE)

ETF (EETHASH "415.11" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Iatrogenic pulmonary embolism and infarction")
(GETHASH "415.19" ICD9-HASH-TARLE) "Other")
(GETHASH "416" ICD9-HASH-TARLE) "Chronic pulmonary heart disease")
(GETHASH "416.0" ICD9-HASH-TARLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Chronic pulmonary heart disease, unspecified")
(SETF (GETHASH "417" ICD9-HASH-TABLE)
"Other diseases of pulmonary circulation")
(SETF (GETHASH "417.0" "417.0" "417.0" "417.0" "Arteriovenous fistula of pulmonary vessels")
(SETF (GETHASH "417.1" ICD9-HASH-TABLE) "Aneurysm of pulmonary artery")
(SETF (GETHASH "417.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Primary pulmonary hypertension")
(GETHASH "416.1" ICD9-HASH-TABLE) "Kyphoscoliotic heart disease")
(GETHASH "416.8" ICD9-HASH-TABLE)
"Other chronic pulmonary heart diseases")
(GETHASH "416.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Acute myocarditis, unspecified")
(GETHASH "422.91" ICD9-HASH-TABLE) "Idiopathic myocarditis")
(GETHASH "422.92" ICD9-HASH-TABLE) "Septic myocarditis")
(GETHASH "422.99" ICD9-HASH-TABLE) "Toxic myocarditis")
(GETHASH "422.99" ICD9-HASH-TABLE) "Other")
(GETHASH "422.99" ICD9-HASH-TABLE) "Other diseases of pericardium")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Acute endocarditis, unspecified")
(SETF (GETHASH "422.0" ICD9-HASH-TABLE)
(SETF (GETHASH "422.0" ICD9-HASH-TABLE)
"Acute myocarditis in diseases classified elsewhere")
(SETF (GETHASH "422.9" ICD9-HASH-TABLE)
"Other and unspecified acute myocarditis")
(SETF (GETHASH "422.90" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Other specified diseases of pulmonary circulation")
(SETF (GETHASH ""417.9" ICD9-HASH-TABLE)
                                                   "Of autologous biological bypass graft")
(SETF (GETHASH "414.03" ICD9-HASH-TABLE)
(SETF (GETHASH '"414.02" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF (SETF 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
```

```
(SETF (GETHASH "42.9 ILO9-HASH-IABLE)" Wither diseases of endocardium")

(SETF (GETHASH "424.0 ILO9-HASH-TABLE) "Wither diseases of endocardium")

(SETF (GETHASH "424.0 ILO9-HASH-TABLE) "Witheral valve disorders")

(SETF (GETHASH "424.2" ILO9-HASH-TABLE) "Aortic valve disorders")

(SETF (GETHASH "424.2" ILO9-HASH-TABLE)

"Tricuspid valve disorders, specified as nonrheumatic")

(SETF (GETHASH "424.9" ILO9-HASH-TABLE) "Pulmonary valve disorders")

(SETF (GETHASH "424.9" ILO9-HASH-TABLE) "Pulmonary valve disorders")

(SETF (GETHASH "424.9" ILO9-HASH-TABLE)

"Endocarditis, valve unspecified, unspecified cause")

(SETF (GETHASH "424.90" ILO9-HASH-TABLE)

"Endocarditis, valve unspecified, unspecified cause")

(SETF (GETHASH "424.90" ILO9-HASH-TABLE)

"Endocarditis, valve unspecified, unspecified cause")

(SETF (GETHASH "425.0" ILO9-HASH-TABLE) "Cother")

(SETF (GETHASH "425.0" ILO9-HASH-TABLE) "Cardiomyopathy")

(SETF (GETHASH "425.0" ILO9-HASH-TABLE)

"Hypertrophic obstructive cardiomyopathy")

(SETF (GETHASH "425.2" ILO9-HASH-TABLE)

"Hypertrophic obstructive cardiomyopathy")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Other second degree atrioventricular block")
(GETHASH "426.2" ICD9-HASH-TABLE) "Left bundle branch hemiblock")
(GETHASH "426.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Right bundle branch block and left posterior fascicular block")
(GETHASH ""426.52" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Obscure cardiomyopathy of Africa")
(GETHASH "425.3" ICD9-HASH-TABLE) "Endocardial fibroelastosis")
(GETHASH "425.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Other left bundle branch block")
(GETHASH "426.4" ICD9-HASH-TABLE) "Right bundle branch block")
(GETHASH "426.50" ICD9-HASH-TABLE)
"Bundla branch block, unspecified")
(GETHASH "426.51" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Right bundle branch block and left anterior fascicular block")
(GETHASH "426.53" ICD9-HASH-TABLE)
"Other blateral bundle branch block")
(GETHASH "426.54" ICD9-HASH-TABLE) "Trifascicular block")
(GETHASH "426.6" ICD9-HASH-TABLE) "Other heart block")
(GETHASH "426.7" ICD9-HASH-TABLE) "Other heart block")
(SETF (GETHASH "'423.0" ICD9-HASH-TABLE) "Hemopericardium")
(SETF (GETHASH "'423.1" ICD9-HASH-TABLE) "Adhesive pericarditis")
(SETF (GETHASH "'423.8" ICD9-HASH-TABLE)
(SETF (GETHASH "'423.8" ICD9-HASH-TABLE)
"Other specified diseases of pericardium")
(SETF (GETHASH "'423.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Other primary cardiomyopathies")
(GETHASH "425.5" ICD9-HASH-TABLE) "Alcoholic cardiomyopathy")
(GETHASH "425.7" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF (CETHASH "426")
(SETF (CETHASH "426")
(SETF (CETHASH "426")
(SETF (CETHASH "426.0" ICD9-HASH-TABLE)
"Atrioventricular block, complete")
(SETF (CETHASH "426.1" ICD9-HASH-TABLE)
"Atrioventricular block, other and unspecified")
(SETF (CETHASH "426.11" ICD9-HASH-TABLE)
"Atrioventricular block, unspecified")
(SETF (CETHASH "426.11" ICD9-HASH-TABLE)
"First degree atrioventricular block")
(SETF (CETHASH "426.12" ICD9-HASH-TABLE)
"First degree atrioventricular block")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Nutritional and metabolic cardiomyopathy")
(SETF (GETHASH "+42.8" LTO9-HASH-TABLE)
"Cardiomyopathy in other diseases classified elsewhere")
(SETF (GETHASH "425.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Mobitz (type) II atrioventricular block")
(GETHASH ""426.13" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Anomalous atrioventricular excitation")
GETHASH '"426.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
```

(SETF (GETHASH

```
Agrin Indon'liation and rituter')

(SETF (GETHASH "427.33" ICD9-HASH-TABLE) "Atrial fibrillation")

(SETF (GETHASH "427.34" ICD9-HASH-TABLE) "Atrial flutter")

(SETF (GETHASH "427.41" ICD9-HASH-TABLE) "Ventricular fibrillation")

(SETF (GETHASH "427.42" ICD9-HASH-TABLE) "Ventricular fibrillation")

(SETF (GETHASH "427.42" ICD9-HASH-TABLE) "Ventricular fibrillation")

(SETF (GETHASH "427.61" ICD9-HASH-TABLE) "Premature beats.")

(SETF (GETHASH "427.61" ICD9-HASH-TABLE) "Premature beats.")

(SETF (GETHASH "427.62" ICD9-HASH-TABLE) "Premature beats.")

(SETF (GETHASH "427.62" ICD9-HASH-TABLE) "Other")

(SETF (GETHASH "427.62" ICD9-HASH-TABLE) "Other")

(SETF (GETHASH "427.82" ICD9-HASH-TABLE) "Other")

(SETF (GETHASH "427.82" ICD9-HASH-TABLE) "Other")

(SETF (GETHASH "427.92" ICD9-HASH-TABLE) "Other")

(SETF (GETHASH "427.92" ICD9-HASH-TABLE) "Other")

(SETF (GETHASH "428" ICD9-HASH-TABLE) "Congestive heart failure")

(SETF (GETHASH "428" ICD9-HASH-TABLE) "Heart failure")

(SETF (GETHASH "428" ICD9-HASH-TABLE) "Heart failure")

(SETF (GETHASH "428" ICD9-HASH-TABLE) "Heart failure")

(SETF (GETHASH "428.12" ICD9-HASH-TABLE) "Heart failure, unspecified")

(SETF (GETHASH "428.12" ICD9-HASH-TABLE) "Heart failure, unspecified")

(SETF (GETHASH "428.12" ICD9-HASH-TABLE) "Heart failure, unspecified")

(SETF (GETHASH "428.92" ICD9-HASH-TABLE) "Heart failure, unspecified")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Eunctional disturbances following cardiac surgery")
(SETF (GETHASH "429.5" ICD9-HASH-TABLE) "Rupture of chordae tendineae")
(SETF (GETHASH "429.6" ICD9-HASH-TABLE)
(SETF (GETHASH "429.7" ICD9-HASH-TABLE)

"Certain sequelae of myocardial infarction, not elsewhere classified")

"SETF (GETHASH "429.71" ICD9-HASH-TABLE)

"Acquired cardiac septal defect")
(SETF (GETHASH "429.79" ICD9-HASH-TABLE)

"SETF (GETHASH "429.79" ICD9-HASH-TABLE)
(SETF (GETHASH "429.8" ICD9-HASH-TABLE)
"Other specified conduction disorders")
(GETHASH "426.81" ICD9-HASH-TABLE) "Lown-Ganong-Levine syndrome")
(GETHASH "426.9" ICD9-HASH-TABLE) "Other")
(GETHASH "426.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Other 11-defined heart diseases")
(GETHASH "429.81" ICDD-HASH-TABLE)
(GETHASH "429.82" ICDD-HASH-TABLE)
(GETHASH "429.82" ICDD-HASH-TABLE) "Hyperkinetic heart disease")
(GETHASH "429.89" ICD9-HASH-TABLE) "Other")
(GETHASH "429.9" ICD9-HASH-TABLE) "Heart disease, unspecified")
(GETHASH "430" ICD9-HASH-TABLE) "Subarachnoid hemorrhage")
(GETHASH "431" ICD9-HASH-TABLE) "Intracerebral hemorrhage")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Ill-defined descriptions and complications of heart disease")
(GETHASH "429.0" ICD9-HASH-TABLE) "Myocarditis, unspecified")
(GETHASH "429.1" ICD9-HASH-TABLE) "Myocardial degeneration")
(GETHASH "429.2" ICD9-HASH-TABLE) "Wyocardial degeneration")
(GETHASH "429.3" ICD9-HASH-TABLE) "Cardiomegaly")
(GETHASH "429.4" ICD9-HASH-TABLE)
                                                                                                                                                                        Conduction disorder, unspecified")
(SETF (GETHASH "427" ICD9-HASH-TABLE) "Cardiac dysrhythmias")
(SETF (GETHASH "427.0" ICD9-HASH-TABLE)
"Paroxysmal supraventricular tachycardia")
(SETF (GETHASH "427.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Other and unspecified intracranial hemorrhage")
(GETHASH ""432.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Paroxysmal tachycardia, unspecified")
(SETF (GETHASH ""427.3" ICD9-HASH-TABLE)
"Atrial fibrillation and flutter")
                                                                                                                                                                                                                                                                                                                                                                                                             "Paroxysmal ventricular tachycardia")
(SETF (GETHASH ""427.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF (SETF (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                        (SETF (SETF (SETF )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
```

"Nontraumatic extradural hemorrhage") (SETF (GETHASH "'432.1" ICD9-HASH-TABLE) "Subdural hemorrhage")

```
"Unspecified preceded artery")

EIF (GETHASH "434" ICD9-HASH-TABLE) "Ceclusion of cerebral arteries")

EIF (GETHASH "434.0" ICD9-HASH-TABLE) "Cerebral thrombosis")

EIF (GETHASH "434.0" ICD9-HASH-TABLE) "Cerebral thrombosis")

EIF (GETHASH "434.9" ICD9-HASH-TABLE) "Cerebral embolism")

EIF (GETHASH "434.9" ICD9-HASH-TABLE) "Transient cerebral ischemia")

EIF (GETHASH "435.0" ICD9-HASH-TABLE) "Variebral artery syndrome")

EIF (GETHASH "435.0" ICD9-HASH-TABLE) "Variebral artery syndrome")

EIF (GETHASH "435.1" ICD9-HASH-TABLE) "Subclavian steal syndrome")

EIF (GETHASH "435.3" ICD9-HASH-TABLE) "Subclavian steal syndrome")

EIF (GETHASH "435.8" ICD9-HASH-TABLE) "Subclavian steal syndrome")

EIF (GETHASH "435.8" ICD9-HASH-TABLE) "Subclavian steal syndrome")

EIF (GETHASH "435.8" ICD9-HASH-TABLE) "Subclavian steal syndrome")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Late effects of cerebrovascular disease")
(GEHASH "438.0" ICD9-HASH-TABLE) "Cognitive deficits")
(GETHASH "438.1" ICD9-HASH-TABLE) "Speech and language deficits")
(GETHASH "438.10" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Other and ill-defined cerebrovascular disease")
(GETHASH "437.0" ICD9-HASH-TABLE) "Cerebral atherosclerosis")
(GETHASH "437.1" ICD9-HASH-TABLE)
(GETHASH "437.1" ICD9-HASH-TABLE)
(GETHASH "437.2" ICD9-HASH-TABLE)
(GETHASH "437.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Hemiplegia affecting nondominant side")
(GETHASH '"438.3" ICD9-HASH-TABLE) "Monoplegia of upper limb")
(GETHASH '"438.30" ICD9-HASH-TABLE)
                                                                                "Occlusion and stenosis of precerebral arteries")
(GETHASH "433.0" ICD9-HASH-TABLE) "Basilar artery")
(GETHASH "433.1" ICD9-HASH-TABLE) "Carotid artery")
(GETHASH "433.2" ICD9-HASH-TABLE) "Vertebral artery")
(GETHASH "433.8" ICD9-HASH-TABLE) "Multiple and bilateral")
(GETHASH "433.9" ICD9-HASH-TABLE)
(GETHASH "433.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Speech and language deflicit, unspecified")
(GETHASH "438.11" ICD9-HASH-TABLE) "Aphasia")
(GETHASH "438.12" ICD9-HASH-TABLE) "Dysphasia")
(GETHASH "438.19" ICD9-HASH-TABLE)
"Other speech and language deficits")
(GETHASH "438.2" ICD9-HASH-TABLE) "Hemiplegia/hemiparesis")
(GETHASH "438.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CETHASH 437.3 LUOFINANT CETHASH ASH-DEPLASH ASH-SHARE CETHASH "437.4" LOD9-HASH-TABLE D" "Cerebral arteritis") (GETHASH "437.5" LOD9-HASH-TABLE D" "Moyamnoya disease") (GETHASH "437.6" LOD9-HASH-TABLE D" "Moyamoya citrombosis of intracramial venous sinus") (GETHASH "437.8" LOD9-HASH-TABLE "Other") (GETHASH "437.9" LCO9-HASH-TABLE "Unspecified") (GETHASH "437.9" LCO9-HASH-TABLE "Unspecified")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Monoplegia of upper limb affecting unspecified side")
(SETF (GETHASH "438.31" ICD9-HASH-TABLE)
"Monoplegia of upper limb affecting dominant side")
(SETF (GETHASH "438.32" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Other specified transient cerebral ischemias")
(SETF (GETHASH "43.9" ICD9-HASH-TABLE)
"Unspecified transient cerebral ischemia")
(SETF (GETHASH "436" ICD9-HASH-TABLE)
"Acute, but ill-defined, cerebrovascular disease")
(SETF (GETHASH "437" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Hemiplegia affecting unspecified side")
(SETF (GETHASH "'488.21" ICD9-HASH-TABLE)
"Hemiplegia affecting dominant side")
(SETF (GETHASH "'438.22" ICD9-HASH-TABLE)
                   "Unspecified intracranial hemorrhage") (SETF (GETHASH "433" ICD9-HASH-TABLE)
(GETHASH '"432,9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
(SETF
(SETF
                                                                                                                    (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                    (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                             (SETF
```

```
(SETF (GETHASH "440.20" ICD9-HASH-TABLE)

(SETF (GETHASH "440.20" ICD9-HASH-TABLE)

(SETF (GETHASH "440.21" ICD9-HASH-TABLE)

(SETF (GETHASH "440.21" ICD9-HASH-TABLE)

(SETF (GETHASH "440.21" ICD9-HASH-TABLE)

(SETF (GETHASH "440.22" ICD9-HASH-TABLE)

(SETF (GETHASH "440.23" ICD9-HASH-TABLE)

(SETF (GETHASH "440.23" ICD9-HASH-TABLE)

(SETF (GETHASH "440.24" ICD9-HASH-TABLE)

(SETF (GETHASH "440.29" ICD9-HASH-TABLE)

(SETF (GETHASH "440.29" ICD9-HASH-TABLE)

(SETF (GETHASH "440.29" ICD9-HASH-TABLE)

(SETF (GETHASH "440.29" ICD9-HASH-TABLE)

(SETF (GETHASH "440.30" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Generalizer and unspecified atherosclerosis")
SETF (GETHASH "441.0 ICD9-HASH-TABLE) "Mortic aneurysm and dissection")
SETF (GETHASH "441.0 ICD9-HASH-TABLE) "Dissection of aorta")
SETF (GETHASH "441.00" ICD9-HASH-TABLE) "Inspecified site")
SETF (GETHASH "441.01" ICD9-HASH-TABLE) "Thoracic")
SETF (GETHASH "441.02" ICD9-HASH-TABLE) "Thoracic aneurysm, ruptured")
SETF (GETHASH "441.1 ICD9-HASH-TABLE) "Thoracic aneurysm, ruptured")
SETF (GETHASH "441.1 ICD9-HASH-TABLE) "Thoracic aneurysm, ruptured")
SETF (GETHASH "441.1 ICD9-HASH-TABLE) "Abdominal aneurysm, ruptured")
SETF (GETHASH "441.3 ICD9-HASH-TABLE) "Abdominal aneurysm, ruptured")
SETF (GETHASH "441.4 ICD9-HASH-TABLE) "Abdominal aneurysm, ruptured")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Of nonautologous vein bypass graft")
(GETHASH ""440.8" ICD9-HASH-TABLE) "Of other specified arteries")
(GETHASH ""440.9" ICD9-HASH-TABLE)
"Monoplegia of upper limb affecting nondominant side")
(GETHASH "438.4" ICD9-HASH-TABLE) "Monoplegia of lower limb")
(GETHASH "438.4" ICD9-HASH-TABLE)
"Monoplegia of lower limb affecting unspecified side")
(GETHASH "438.41" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                              "Monoplegia of lower limb affecting nondominant side")
(GETHASH ""438.5" ICD9-HASH-TABLE) "Other paralytic syndrome")
(GETHASH ""438.50" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Other late effects of cerebrovascular disease")
(GETHASH "438,9" ICD9-HASH-TABLE)
(GETHASH "440" ICD9-HASH-TABLE) "Atherosclerosis")
(GETHASH "440." ICD9-HASH-TABLE) "Of aorta")
(GETHASH "440.1" ICD9-HASH-TABLE) "Of aorta")
(GETHASH "440.1" ICD9-HASH-TABLE)
(GETHASH "440.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Other paralytic syndrome affecting nondominant side")
(GETHASH '"438.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                 "Other paralytic syndrome affecting unspecified side")
(GETHASH "438.51" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                   "Other paralytic syndrome affecting dominant side")
(GETHASH ""438.52" ICD9-HASH_TABLE)
                                                                                                                                                                            "Monoplegia of lower limb affecting dominant side")
(GETHASH ""438.42" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Other late effects of cerebrovascular disease") (GETHASH "438.81" ICO9-HASH-TABLE) "Apraxia") (GETHASH "438.82" ICO9-HASH-TABLE) "Dysphagia") (GETHASH "438.89" ICO9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Aortic aneurysm of unspecified site, ruptured")
(SETF (GETHASH "441.6" ICD9-HASH-TABLE)
"Thosacabdominal aneurysm, ruptured")
(SETF (GETHASH "441.7" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Of autologous vein bypass graft")
(GETHASH "440.32" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (GETHASH '"441.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                  (GETHASH
                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
                                                                                                                                                                                                                                                                                                                                                                                         (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
(SETF
(SETF
                                                                                                                                           (SETF
                                                                                                                                                                                                             (SETF
                                                                                                                                                                                                                                                                               (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
(SETF
(SETF
(SETF
(SETF
```

```
"Thoracoabdominal aneurysm, without mention of rupture")

"GETHASH "441.9" ICD9-HASH-TABLE)
"Aortic aneurysm of unspecified site without mention of rupture")

"Aortic aneurysm of unspecified site without mention of rupture")

ETF (GETHASH "442.0" ICD9-HASH-TABLE) "Of artery of upper extremity")

ETF (GETHASH "442.1" ICD9-HASH-TABLE) "Of artery of upper extremity")

ETF (GETHASH "442.3" ICD9-HASH-TABLE) "Of artery of lower extremity")

ETF (GETHASH "442.8" ICD9-HASH-TABLE) "Of other specified artery")

ETF (GETHASH "442.8" ICD9-HASH-TABLE) "Splenic artery")

ETF (GETHASH "442.8" ICD9-HASH-TABLE) "Splenic artery")

ETF (GETHASH "442.8" ICD9-HASH-TABLE) "Splenic artery")

ETF (GETHASH "442.8" ICD9-HASH-TABLE) "Other visceral artery")

ETF (GETHASH "442.8" ICD9-HASH-TABLE) "Other visceral artery")

ETF (GETHASH "442.8" ICD9-HASH-TABLE) "Other visceral artery")

ETF (GETHASH "442.8" ICD9-HASH-TABLE) "Of unspecified site")

ETF (GETHASH "442.9" ICD9-HASH-TABLE) "Of unspecified site")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Arteriovenous fistula, acquired")
(GETHASH "447.1" ICD9-HASH-TABLE) "Stricture of artery")
(GETHASH "447.2" ICD9-HASH-TABLE) "Rupture of artery")
(GETHASH "447.3" ICD9-HASH-TABLE) "Hyperplasia of renal artery")
(GETHASH "447.4" ICO9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Other specified hypersensitivity anglitis")
(GETHASH "446.3" ICD9-HASH-TABLE) "Lethal midline granuloma")
(GETHASH "446.4" ICD9-HASH-TABLE) "Megener's granulomatosis")
(GETHASH "446.4" ICD9-HASH-TABLE) "Giant cell arteritis")
(GETHASH "446.6" ICD9-HASH-TABLE) "Thrombotic microardjopathy")
(GETHASH "446.7" ICD9-HASH-TABLE) "Takayasu's disease")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Acute febrile mucocutaneous lymph node syndrome [MCLS]")
(GETHASH "446.2" ICD9-HASH-TABLE) "Hypersensitivity angiitis")
(GETHASH "446.20" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Hypersensitivity angiitis, unspecified")
(GETHASH "446.21" ICD9-HASH-TABLE) "Goodpasture's syndrome")
(GETHASH "446.29" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Celiac artery compression syndrome")
(GETHASH "447.5" ICD9-HASH-TABLE) "Necrosis of artery")
(GETHASH "447.6" ICD9-HASH-TABLE) "Arteritis, unspecified")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Other peripheral vascular disease")
(SETF (GETHASH "443.0" ICD9-HASH-TABLE) "Raynaud's syndrome")
(SETF (GETHASH "1443.1" ICD9-HASH-TABLE)
"Thromboangiitis obliterans [Buerger's disease]")
(SETF (GETHASH "1443.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Other disorders of arteries and arterioles")
(GETHASH ""447.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                    SET TO SE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
(SETF
(SETF
(SETF
                                                                 (SETF
```

```
"Hereditary hemorrhagic telangiectasia")
(GETHASH "448.1" ICD9-HASH-TABLE) "Nevus, non-neoplastic")
(GETHASH "448.9" ICD9-HASH-TABLE)
"Other and unspecified capillary diseases")
(GETHASH "451." ICD9-HASH-TABLE)
"Of superficial vessels of lower extremities")
(GETHASH "451.0" ICD9-HASH-TABLE)
"Of superficial vessels of lower extremities")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Varicose veins of Tower extremities")
(GETHASH "454.0" ICD9-HASH-TABLE) "With ulcer")
(GTHASH "454.1" ICD9-HASH-TABLE) "With inflammation")
(GETHASH "454.2" ICD9-HASH-TABLE) "With ulcer and inflammation")
(GETHASH "454.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Other venous embolism and thrombosis")
(GETHASH ""433.0" ICD9-HASH-TABLE) "Budd-Chiari syndrome")
(GETHASH ""453.1" ICD9-HASH-TABLE) "Thrombophlebitis migrans")
(GETHASH ""453.2" ICD9-HASH-TABLE) "Of vena cava")
(GETHASH ""453.3" ICD9-HASH-TABLE) "Of renal vein")
(GETHASH "433.9" ICD9-HASH-TABLE) "Of other specified veins")
(GETHASH "443.9" ICD9-HASH-TABLE) "Of unspecified site")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Of upper extremities, unspecified")
(GETHASH "411.89" ICD9-HASH-TABLE) "Other")
(GETHASH "421.9" ICD9-HASH-TABLE) "Of unspecified site")
(GETHASH "422" ICD9-HASH-TABLE) "Portal vein thrombosis")
(GETHASH "453" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Unspecified hemorrhoids without mention of complication") (SETF (GETHASH "455.7" ICD9-HASH-TABLE)
                                                                                "Unspecified disorders of arteries and arterioles")
(GETHASH ""448" ICD9-HASH-TABLE) "Disease of capillaries")
(GETHASH ""448.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                Technical vein (deep) (superficial)")

TE (GETHASH "451.10" ICD9-HASH-TABLE)

TE (GETHASH "451.2" ICD9-HASH-TABLE)

TE (GETHASH "451.2" ICD9-HASH-TABLE)

TE (GETHASH "451.8" ICD9-HASH-TABLE) "Of other sites")

TE (GETHASH "451.8" ICD9-HASH-TABLE) "Of other sites")

TE (GETHASH "451.8" ICD9-HASH-TABLE) "Iliac vein")

TE (GETHASH "451.8" ICD9-HASH-TABLE) "Iliac vein")

TE (GETHASH "451.8" ICD9-HASH-TABLE)

TE (GETHASH "451.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Internal hemorrhoids without mention of complication")
GETHASH ""455.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "External hemorrhoids without mention of complication") (SETF (GETHASH '"455.4" ICD9-HASH-TABLE)
                       "Other specified disorders of arteries and arterioles") (SETF (GETHASH ""447,9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Without mention of ulcer or inflammation")
(GETHASH '"455" ICD9-HASH-TABLE) "Hemorrhoids")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Internal hemorrhoids with other complication")
(GETHASH '"455.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              External hemorrhoids with other complication")
                                                                                                                                                                                                                                                                                                                                                                                              "Of deep vessels of lower extremities")
(GETHASH "451.11" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Of deep veins of upper extremities")
(GETHASH '"451.84" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Unspecified thrombosed hemorrhoids")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (GETHASH '"455.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Internal thrombosed hemorrhoids") (SETF (GETHASH "455.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF (GETHASH ""455.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "455.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     External thrombosed hemorrhoids")
(SETF (GETHASH '"447.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (GETHASH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF (GETHASH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
                                                                                                             (SETF
(SETF
                                                                                                                                                                                                (SETF
                                                                                                                                                                                                                                                                                (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                      (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                                                                                                                                                                                              (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
```

(SETF (GETHASH '"455.8" ICD9-HASH-TABLE)
"Unspecified hemorrhoids with other complication")
(SETF (GETHASH '"455.9" ICD9-HASH-TABLE)

```
"Residual Henorholds Iskin tags")

(SET (CETMASH" "1456" TCD9-MASH-TABLE) "Varions eveins of other sites")

(SET (CETMASH" "1456" TCD9-MASH-TABLE)

(SET (CETMASH" "1456." TCD9-MASH-TABLE)

(SET (CETMAS
```

```
SET GCTRASH "464.3" (1009-HASH-TARLE) "With obstruction")

(SET GCTRASH "464.3" (1009-HASH-TARLE) "Croup")

(SET GCTRASH "465.0" (1009-HASH-TARLE) "Croup")

(SET GCTRASH "465.1" (1009-HASH-TARLE) "Croup "Dispercified sites")

(SET GCTRASH "466.1" (1009-HASH-TARLE) "Croup sites "Dispercified masal polype")

(SET GCTRASH "476.1" (1009-HASH-TARLE) "Croup sites "Dispercified masal polype")

(SET GCTRASH "472.0" (1009-HASH-TARLE) "Croup sites "Dispercified masal polype")

(SET GCTRASH "472.1" (1009-HASH-TARLE) "Croup sites "Sites")

(SET GCTRASH "472.1" (1009-HASH-TARLE) "Croup sites "Sites")

(SET GCTRASH "472.2" (1009-HASH-TARLE) "Croup sites "Sites")

(SET GCTRASH "472.2" (1009-HASH-TARLE) "Croup sites sites")

(SET GCTRASH "472.2" (1009-HASH-TARLE) "Croup sites sites")

(SET GCTRASH "472.2" (1009-HASH-TARLE) "Croup sites sites "Sites "Croup sites "Sites "Croup sites "Sites "Croup sites "Sites
```

```
"Upper respiratory tract thypersensitivity reaction, site unspecified")

(SETF (CETHASH "478.9" ICD9-HASH-TABLE)

(SETF (CETHASH "480" ICD9-HASH-TABLE) "viral pneumonia")

(SETF (CETHASH "480.1CD9-HASH-TABLE) "rival pneumonia")

(SETF (CETHASH "480.0" ICD9-HASH-TABLE) "pneumonia due to adenovirus")

(SETF (CETHASH "480.1" ICD9-HASH-TABLE)

"Pneumonia due to respiratory syncytial virus")

(SETF (CETHASH "480.2" ICD9-HASH-TABLE)

"Pneumonia due to parainfluenza virus")

(SETF (CETHASH "480.8" ICD9-HASH-TABLE)

"Pneumonia due to other virus not elsewhere classified")

(SETF (CETHASH "480.9" ICD9-HASH-TABLE)

"Pneumonia due to other virus not elsewhere classified")

(SETF (CETHASH "480.9" ICD9-HASH-TABLE)

"Pneumonia due to other virus not elsewhere virus not semmonia, unspecified")

(SETF (CETHASH "480.1" ICD9-HASH-TABLE)

"Pneumonia" unspecified")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Preumococcal pneumonia [Streptococcus pneumoniae pneumonia]")
SETF (GETHASH "482. ICD9-HASH-TABLE) "Other bacterial pneumonia")
SETF (GETHASH "482.0" ICD9-HASH-TABLE) "Other bacterial pneumonia")
SETF (GETHASH "482.1" ICD9-HASH-TABLE) "Pneumonia due to filessiella pneumoniae")
SETF (GETHASH "482.2" ICD9-HASH-TABLE) "Pneumonia due to demophilus influenzae [H. influenzae]")
SETF (GETHASH "482.3" ICD9-HASH-TABLE) "Streptococcus, unspecified")
SETF (GETHASH "482.3" ICD9-HASH-TABLE) "Group A")
SETF (GETHASH "482.3" ICD9-HASH-TABLE) "Group B")
SETF (GETHASH "482.3" ICD9-HASH-TABLE) "Other Streptococcus")
SETF (GETHASH "482.3" ICD9-HASH-TABLE) "Other Streptococcus")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Paralysis of vocal cords or larynx")
(GETHASH "478.30" ICD9-HASH-TABLE) "Paralysis, unspecified")
(GETHASH "478.30" ICD9-HASH-TABLE) "Unilateral, partial")
(GETHASH "478.32" ICD9-HASH-TABLE) "Unilateral, complete")
(GETHASH "478.32" ICD9-HASH-TABLE) "Bilateral, partial")
(GETHASH "478.34" ICD9-HASH-TABLE) "Bilateral, complete")
(GETHASH "478.4" ICD9-HASH-TABLE) "Polyp of vocal cord or larynx")
(GETHASH "478.6" ICD9-HASH-TABLE) "Chher diseases of vocal cords")
(GETHASH "478.6" ICD9-HASH-TABLE) "Edema of larynx")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF (GETHASH "482.8" ICD9-HASH-TABLE)

SETF (GETHASH "482.8" ICD9-HASH-TABLE)

SPEURONIA due to other specified bacteria")

(SETF (GETHASH "482.81" ICD9-HASH-TABLE) "Raserobes")

(SETF (GETHASH "482.82" ICD9-HASH-TABLE) "Escherichia coli [E. coli]")
                                                                                                                                                                                                                                                "Cellulitis of pharynx or nasopharynx")
(GETHASH ""478.22" ICD9-HASH-TABLE) "Parapharyngeal abscess")
(GETHASH ""478.25" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Cellulitis and perichondritis of larynx")
(GETHASH "478.74" ICD9-HASH-TABLE) "Stenosis of larynx")
(GETHASH "478.79" ICD9-HASH-TABLE) "Laryngeal spasm")
(GETHASH "478.79" ICD9-HASH-TABLE) "Other")
(GETHASH "478.8" ICD9-HASH-TABLE)
                                                                                                   "Other diseases of pharynx, not elsewhere classified")
(SETF (GETHASH "478.20" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Other diseases of larynx, not elsewhere classified")
(GETHASH '"478.70" ICD9-HASH-TABLE)
                              "Other diseases of nasal cavity and sinuses")
(SETF (GETHASH ""478.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                   GETHASH "478.26" ICD9-HASH-TABLE)

"CGETHASH "478.26" ICD9-HASH-TABLE)

"Cyst of pharynx or nasopharynx")

(GETHASH "478.29" ICD9-HASH-TABLE) "Other")

(GETHASH "478.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Unspecified disease of larynx")
(GETHASH ""478.71" ICD9-HASH-TABLE)
                                                                                                                                                                           "Unspecified disease of pharynx")
(GETHASH "478.21" ICD9-HASH-TABLE)
(SETF (GETHASH ""478.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
```

```
SEEF (CETMASH "482.83" ICD9-MSSH-TARLE) "Other gram-negative bacteria")
(SEEF (CETMASH "482.83" ICD9-MSSH-TARLE) "Other specified bacteria")
(SEEF (CETMASH "482.89" ICD9-MSSH-TARLE) "Other specified bacteria")
(SEEF (CETMASH "483.80" ICD9-MSSH-TARLE) "Other specified organism")
(SEEF (CETMASH "484.80" ICD9-MSSH-TARLE) "Other specified organism")
(SEEF (CETMASH "484.80" ICD9-MSSH-TARLE) "Other specified organism")
(SEEF (CETMASH "484.80" ICD9-MSSH-TARLE) "Other maniferstations")
(SEEF (CETMASH "484.80" ICD9-MSSH-TARLE) "Other manifestations")
(SEEF (CETMASH "487.80" ICD9-MSSH-TARLE) "Other manifestations")
(SEEF (CETMASH "487.80" ICD9-MSSH-TARLE) "Other manifestations")
(SEEF (CETMASH "487.80" ICD9-MSSH-TARLE) "Other manifestations")
(SEEF (CETMASH "481.10" ICD9-MSSH-TARLE) "Other manifestations")
(SEEF (CETMASH "481.10" ICD9-MSSH-TARLE) "Other manifestations")
(SEEF (CETMASH "481.10" ICD9-MSSH-TARLE) "Other manifestations")
(SEEF (CETMASH "481.80" ICD9-MSSH-TARLE) "Other manifestations")
(SEEF (CETMASH "481.80" ICD9-MSSH-TARLE) "Other manifestations")
(SEEF (CETMASH "481.80" ICD9-MSSH-TARLE) "Simple chronic bronchitis")
(SEEF (CETMASH "481.80" ICD9-MSSH-TARLE) "Simple chronic obstructive asthma")
(SEEF (C
```

```
"Without mention of effusion or current tuberculosis")
(GETHASH "131.1" ICD9-HASH-TABLE)
"With effusion, with mention of a bacterial cause other than tuberculosis")
(GETHASH "1311.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF (GETHASH "506.2" ICD9-HASH-TABLE)

(SETF (GETHASH "506.2" ICD9-HASH-TABLE)

(SETF (GETHASH "506.3" ICD9-HASH-TABLE)

(SETF (GETHASH "506.3" ICD9-HASH-TABLE)

(SETF (GETHASH "506.4" ICD9-HASH-TABLE)

(SETF (GETHASH "506.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Respiratory conditions due to other and unspecified external agents")
(SETF (GETHASH "508.0" ICD9-HASH-TABLE)
"Acute pulmonary manifestations due to radiation")
(SETF (GETHASH "1508.1" ICD9-HASH-TABLE)
"Chronic and other pulmonary manifestations due to radiation")
(SETF (GETHASH "508.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Other spontaneous pneumothorax")
(GETHASH "513" ICD9-HASH-TABLE) "Abscess of lung and mediastinum")
(GETHASH "513.0" ICD9-HASH-TABLE) "Abscess of lung")
(GETHASH "513.1" ICD9-HASH-TABLE) "Abscess of mediastinum")
(GETHASH "513.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Other specified forms of effusion, except tuberculous")
(GETHASH "1511.9" ICD9-HASH-TABLE) "Unspecified pleural effusion")
(GETHASH "1512" ICD9-HASH-TABLE) "Pneumothorax")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Respiratory conditions due to unspecified external agent")
(GETHASH "510" ICD9-HASH-TABLE) "Empyema")
(GETHASH "510.0" ICD9-HASH-TABLE) "With fistula")
(GETHASH "510.9" ICD9-HASH-TABLE) "Without mention of fistula")
(GETHASH "511" ICD9-HASH-TABLE) "Pleurisy")
(GETHASH "500" ICD9-HASH-TABLE) "Coal workers' pneumoconiosis") (GETHASH "501" ICD9-HASH-TABLE) "Asbestosis") (GETHASH "502" ICD9-HASH-TABLE) "Pneumoconiosis due to other silica or silicates") (GETHASH "503" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Respiratory conditions due to other specified external agents")
(SETF (GETHASH ""508.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                        "Preumonopathy due to inhalation of other dust")
(GETHASH "SOS" ICD9-HASH-TABLE) "Preumoconiosis, unspecified")
(GETHASH "SOG" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Chronic respiratory conditions due to fumes and vapors")
(SETF (GETHASH "506.9" ICD9-HASH-TABLE)
"Unspecified respiratory conditions due to fumes and vapors")
(SETF (GETHASH "507" ICD9-HASH-TABLE)
"Pneumonitis due to solids and liquids")
(SETF (GETHASH "507.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Spontaneous tension pneumothorax")
(GETHASH "512.1" ICD9-HASH-TABLE) "Latrogenic pneumothorax")
(GETHASH "512.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Respiratory conditions due to chemical fumes and vapors")
(GETHASH ""506.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Bronchitis and pneumonitis due to fumes and vapors") (GETHASH '"506.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                   "Pneumoconiosis due to other inorganic dust")
(GETHASH ""504" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Due to inhalation of food or vomitus")
(GETHASH "'507.1" ICD9-HASH-TABLE)
"Due to inhalation of oils and essences")
"Due to other solids and liquids")
(GETHASH "'508" ICD9-HASH-TABLE)
"Due to other solids and liquids")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Pulmonary congestion and hypostasis")
(SETF (GETHASH "'S15" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (GETHASH '"512.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF (GETHASH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
(SETF
     (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                              (SETF
                                                                                                                                                                                                                                                                                                                  (SETF
                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
```

"Postinflammatory pulmonary fibrosis") (SETF (GETHASH ""516" ICD9-HASH-TABLE)

```
(SETF (GETHASH "TSO.5" ICD9-HASH-TABLE)
"Bisturbances of tooth formation")
"Hereditary disturbances in tooth structure, not elsewhere classified")
(SETF (GETHASH "TSO.6" ICD9-HASH-TABLE)
"Disturbances in tooth eruption")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Other diseases of trachea and bronchus, not elsewhere classified")
(GETHASH "519.2" ICD9-HASH-TABLE) "Mediastinitis")
(GETHASH "519.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Other diseases of mediasthum, not elsewhere classified")
(GETHASH "519.4" ICD9-HASH-TABLE) "Disorders of diaphragm")
(GETHASH "519.8" ICD9-HASH-TABLE)
"Other diseases of respiratory system, not elsewhere classified")
(GETHASH "519.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETE (GETHASH "517.8" LCD9-HASH-TRABLE)

(SETE (GETHASH "517.8" LCD9-HASH-TRABLE)

(SETE (GETHASH "517.8" LCD9-HASH-TABLE)

(SETE (GETHASH "518.0" LCD9-HASH-TABLE) "Other diseases of lung")

(SETE (GETHASH "518.0" LCD9-HASH-TABLE) "Pulmonary collapse")

(SETE (GETHASH "518.1" LCD9-HASH-TABLE) "Interstitial emphysema")

(SETE (GETHASH "518.2" LCD9-HASH-TABLE) "Pulmonary cosinophisema")

(SETE (GETHASH "518.3" LCD9-HASH-TABLE) "Pulmonary eosinophilia")

(SETE (GETHASH "518.3" LCD9-HASH-TABLE) "Pulmonary eosinophilia")

(SETE (GETHASH "518.5" LCD9-HASH-TABLE) "Pulmonary sosinophilia")

(SETE (GETHASH "518.6" LCD9-HASH-TABLE) "Pulmonary eosinophilia")

(SETE (GETHASH "518.6" LCD9-HASH-TABLE) "Pulmonary insufficiency following trauma and surgery")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Other pulmonary insufficiency, not elsewhere classified")
(GETHASH "518.89" ICD9-HASH-TABLE)
"Other diseases of lung, not elsewhere classified")
(GETHASH "519" ICD9-HASH-TABLE)
"Other diseases of respiratory system")
(GETHASH "519.0" ICD9-HASH-TABLE) "Tracheostomy complication")
                                                                                                                                                                                                                                                                                                                                           "Other specified alveolar and parietoalveolar pneumonopathies") (SETF (GETHASH ""S16.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (GETHASH ""520.7" ICD9-HASH-TABLE) "Teething syndrome")
(GETHASH ""520.8" ICD9-HASH-TABLE)
"Other specified disorders of tooth development and eruption")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Allergic bronchopumonary aspergillosis")
(GETHASH "1518.8" ICD9-HASH-TABLE) "Other diseases of lung")
(GETHASH "1518.81" ICD9-HASH-TABLE) "Respiratory failure")
(GETHASH "518.82" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Disorders of tooth development and eruption")
(GETHASH "122.0" ICD9-HASH-TRALE) "Anodontia")
(GETHASH "1220.1" ICD9-HASH-TRALE) "Supernumerary teeth")
(GETHASH "1520.2" ICD9-HASH-TABLE)
(GETHASH "1520.2" ICD9-HASH-TABLE)
(GETHASH "1220.3" ICD9-HASH-TABLE)
(GETHASH "1220.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                "Unspecified alveolar and parietoalveolar pneumonopathy")
(SETF (GETHASH ""517" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Lung involvement in conditions classified elsewhere")
(GETHASH '"517.1" ICD9-HASH-TABLE) "Rheumatic pneumonia")
(GETHASH '"517.2" ICD9-HASH-TABLE)
"Other alveolar and parietoalveolar pneumonopathy")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Unspecified disease of respiratory system") (SETF (GETHASH ""520" ICD9-HASH-TABLE)
                  (SETF (GETHASH "116.0" ICD9-MASH-TABLE)
"Pulmonary alveolar proteinosis")
(SETF (GETHASH "316.1" ICD9-MASH-TABLE)
"Idiopathic pulmonary hemosiderosis")
(SETF (GETHASH "316.2" ICD9-MASH-TABLE)
"Pulmonary alveolar microlithiasis")
(SETF (GETHASH "316.3" ICD9-MASH-TABLE)
                                                                                                                                                                                                                                                                     "Idiopathic fibrosing alveolitis")
(SETF (GETHASH ""516.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
```

```
SETF (GETHASH "752.4" LLOY-MASH-TABLE)

SETF (GETHASH "752.5" ILOY-MASH-TABLE)

"Periapical abscess without sinus")

SETF (GETHASH "752.6" ILOY-MASH-TABLE)
"Periapical abscess without sinus")

SETF (GETHASH "752.6" ILOY-MASH-TABLE) "Periapical abscess with sinus")

SETF (GETHASH "752.7" ILOY-MASH-TABLE) "Periapical abscess with sinus")

SETF (GETHASH "752.9" ILOY-MASH-TABLE) "Radicular cyst")

SETF (GETHASH "752.9" ILOY-MASH-TABLE) "Orbor and unspecified diseases of pulp and periapical tissues")

SETF (GETHASH "752.9" ILOY-MASH-TABLE) "Gringival recession")

SETF (GETHASH "752.3" ILOY-MASH-TABLE) "Gringival recession")

SETF (GETHASH "752.3" ILOY-MASH-TABLE) "Gringival recession")

SETF (GETHASH "753.3" ILOY-MASH-TABLE) "Gringival "Gringival "Orbor specified periodontal diseases")

"Unspecified periodontal and periodontal disease")

"Unspecified gingival and periodontal disease")

SETF (GETHASH "753.3" ILOY-MASH-TABLE) "Gringival "CRIMASH "753.3" ILOY-MASH-TABLE) "Gringival "CRIMASH "753.3" ILOY-MASH-TABLE) "Gringival "CRIMASH "753.3" ILOY-MASH-TABLE) "Gringival "CRIMASH "753.3" ILOY-MASH-TABLE) "Gringival "Gringival "CRIMASH "753.3" ILOY-MASH-TABLE) "Gringival "
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETE (GETHASH "1524.0" ICD9-HASH-TABLE) "Major anomalies of jaw size")

(SETE (GETHASH "1524.0" ICD9-HASH-TABLE) "Major anomalies of jaw size")

(SETE (GETHASH "1524.00" ICD9-HASH-TABLE) "Marjor anomalies of jaw size")

(SETE (GETHASH "1524.00" ICD9-HASH-TABLE) "Maxillary hyperplassia")

(SETE (GETHASH "1524.01" ICD9-HASH-TABLE) "Maxillary hyperplassia")

(SETE (GETHASH "1524.03" ICD9-HASH-TABLE) "Maxillary hypoplassia")

(SETE (GETHASH "1524.04" ICD9-HASH-TABLE) "Macrogenia")

(SETE (GETHASH "1524.06" ICD9-HASH-TABLE) "Wicrogenia")

(SETE (GETHASH "1524.06" ICD9-HASH-TABLE) "Wicrogenia")

(SETE (GETHASH "1524.1" ICD9-HASH-TABLE) "Other specified anomaly")

(SETE (GETHASH "1524.1" ICD9-HASH-TABLE) "Unspecified anomaly")

(SETE (GETHASH "1524.11" ICD9-HASH-TABLE) "Unspecified anomaly")

(SETE (GETHASH "1524.11" ICD9-HASH-TABLE) "Unspecified anomaly")

(SETE (GETHASH "1524.11" ICD9-HASH-TABLE) "Other jaw asymmetry")

(SETE (GETHASH "1524.11" ICD9-HASH-TABLE) "Other jaw asymmetry")

(SETE (GETHASH "1524.11" ICD9-HASH-TABLE) "Other jaw symmetry")

(SETE (GETHASH "1524.11" ICD9-HASH-TABLE) "Other jaw symmetry")
                                                                                                                      THE CETHASH "521.0" IOD9-HASH-TABLE) "Dental caries")

FIF (GETHASH "521.0" IOD9-HASH-TABLE) "Dental caries")

FIF (GETHASH "521.1" IOD9-HASH-TABLE) "Secsesive attrition")

FIF (GETHASH "521.3" IOD9-HASH-TABLE) "Erosion")

FIF (GETHASH "521.3" IOD9-HASH-TABLE) "Erosion")

FIF (GETHASH "521.3" IOD9-HASH-TABLE) "Hypercementosis")

FIF (GETHASH "521.6" ICD9-HASH-TABLE) "Mypercementosis")

FIF (GETHASH "521.8" ICD9-HASH-TABLE) "Ankylosis of teeth")

FIF (GETHASH "521.8" ICD9-HASH-TABLE) "Obsteruptive color changes")

FIF (GETHASH "521.8" ICD9-HASH-TABLE)

"Other specified diseases of hard tissues of teeth")

FIF (GETHASH "521.9" ICD9-HASH-TABLE)

"Other specified diseases of hard tissues of teeth")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Anomalies of dental arch relationship")
(GETHASH ""524.3" ICD9-HASH-TABLE) "Anomalies of tooth position")
(GETHASH ""524.4" ICD9-HASH-TABLE) "Malocclusion, unspecified")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Diseases of pulp and periapical tissues")
(GETHASH "'522.0" ICO9-HASH-TABLE) "Pulpitis")
(GETHASH "'522.1" ICO9-HASH-TABLE) "Pulp degeneration")
(GETHASH "'522.2" ICO9-HASH-TABLE) "Pulp degeneration")
(GETHASH "'522.3" ICO9-HASH-TABLE)
"Abhormal hard tissue formation in pulp")
(GETHASH "'522.4" ICO9-HASH-TABLE)
                                       "Unspecified disorder of tooth development and eruption") (GETHASH '"521" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Unspecified disease of hard tissues of teeth")
(GETHASH ""522" ICD9-HASH-TABLE)
(GETHASH '"520.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                    (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
(SETF
                                                                                                                                                                                  (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
```

```
"Loss of teeth due to accident, extraction, or local periodontal disease") (SETF (GETHASH "325.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF (GETHASH "324.8" ICD9-HASH-TABLE)

(SETF (GETHASH "324.8" ICD9-HASH-TABLE)

"Other specified dentofacial anomalies")

(SETF (GETHASH "324.9" ICD9-HASH-TABLE)

"Unspecified dentofacial anomalies")

(SETF (GETHASH "325" ICD9-HASH-TABLE)

"Other diseases and conditions of the teeth and supporting structures")

(SETF (GETHASH "325.0" ICD9-HASH-TABLE)

"Exfoliation of teeth due to systemic causes")

(SETF (GETHASH "325.1" ICD9-HASH-TABLE)

"Exfoliation of teeth due to systemic causes")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Atrophy of edentious alvelar ridge")
(SETF (GETHASH "525.3" ICD9-HASH-TABLE) "Retained dental root")
(SETF (GETHASH "152.8" ICD9-HASH-TABLE)
"Other specified disorders of the teeth and supporting structures")
(SETF (GETHASH "1525.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF (GETHASH "524.7" ICD9-HASH-TABLE) "Dental alveolar anomalies")
(SETF (GETHASH "524.7" ICD9-HASH-TABLE) "Dental alveolar anomalies")
(SETF (GETHASH "524.70" ICD9-HASH-TABLE)
(SETF (GETHASH "524.71" ICD9-HASH-TABLE)
"Alveolar maxillary hyperplasia")
(SETF (GETHASH "524.72" ICD9-HASH-TABLE)
"Alveolar mandibular hyperplasia")
(SETF (GETHASH "524.72" ICD9-HASH-TABLE)
"Alveolar mandibular hyperplasia")
(SETF (GETHASH "524.73" ICD9-HASH-TABLE)
"Alveolar maxillary hypoplasia")
(SETF (GETHASH "524.74" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        disease of the jaws")
27" ICD9-HASH-TABLE) "Diseases of the salivary glands")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Unspecified disorder of the teeth and supporting structures") (GETHASH "1520" ICD9-HASH-TABLE) "Diseases of the jaws") (GETHASH "1520" ICD9-HASH-TABLE) "Developmental odontogenic cysts") (GETHASH "1520.1 ICD9-HASH-TABLE) "Fissural cysts of jaw") (GETHASH "1526.2" ICD9-HASH-TABLE) "Other cysts of jaws") (GETHASH "1526.2" ICD9-HASH-TABLE) "Other cysts of jaws")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Central giant cell (reparative) granuloma")
(GETHASH "128.4" ICO9-HASH-TABLE) "Inflammatory conditions")
(GETHASH "125.5" ICO9-HASH-TABLE) "Alveolitis of jaw")
(GETHASH "1526.8" ICO9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Other specified diseases of the jaws") (GETHASH "75.8.1" IXD9-HASH-TARLE) "Exostosis of jaw") (GETHASH "15.6.88" ICD9-HASH-TARLE) "Other") (GETHASH "15.26.9" ICD9-HASH-TARLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (GETHASH '1527.0" ICDS-HASH-TABLE) "AFTOPIN")
(GETHASH '1527.0" ICDS-HASH-TABLE) "Hydropin")
(GETHASH '1527.2" ICDS-HASH-TABLE) "Sialoadenitis")
(GETHASH '1527.3" ICDS-HASH-TABLE) "Sialoadenitis")
(GETHASH '1527.3" ICDS-HASH-TABLE) "Fistula")
(GETHASH '1527.5" ICDS-HASH-TABLE) "Sialolithiasis")
(GETHASH '1527.6" ICDS-HASH-TABLE) "Sialolithiasis")
                                                                                                                                                                                                                                                                                                                                                                               "Articular disc disorder (reducing or nonreducing)")
(SETF (GETHASH ""524.69" ICD9-HASH-TABLE)
                         CETT (GETHASH "524.6" ICD9-HASH-TABLE)

"Dentofacial functional abnormalities")

"Temporomandibular joint disorders")

(SETF (GETHASH "524.60" ICD9-HASH-TABLE)

"Temporomandibular joint disorders, unspecified")

(SETF (GETHASH "524.61" ICD9-HASH-TABLE)

"Adhesions and ankylosis (bony or fibrous)")

(SETF (GETHASH "524.62" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                             Arthralgia of temporomandibular joint")
GETHASH '"524,63" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Alveolar mandibular hypoplasia")
(SETF (GETHASH ""524.79" ICD9-HASH-TABLE)
(SETF (GETHASH '"524.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Unspecified dis
GETHASH "527"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GETHASH
                                                                                                                                                                                                                                                                                                                                                  (SETF (GETHASH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
```

```
GETF (GETMASH "1927," ICODA-MSH-TARLD.

SETF (GETMASH "1927," ICODA-MSH-TARLD.

GETF (GETMASH "1927," ICODA-MSH-TARLD.

GETF (GETMASH "1927," ICODA-MSH-TARLD.

GETF (GETMASH "1927," ICODA-MSH-TARLD.

GETF (GETMASH "1928," ICODA-MSH-TARLD.

GETF (
```

```
SET (CETMASH "1314" ICD9-MASH-TARLE)

(SET (CETMASH "1314" ICD9-MASH-TARLE)

(SET (CETMASH "1315" ICD9-MASH-TARLE)

(SET (CETMASH "1312" ICD9-MASH-TARLE)

(SET (CETMASH "1313" ICD9-MASH-TARLE)

(SET (CETMASH "1313
```

```
Other specified disorders of stomach and duodenum")

ETF (GETHASH ".537.81" ICD9-HASH-TABLE) "Pylorospasm")

SETF (GETHASH ".537.82" ICD9-HASH-TABLE)

"Angiodysplasia of stomach and duodenum without mention of hemorrhage")

SETF (GETHASH ".537.83" ICD9-HASH-TABLE)

"Angiodysplasia of stomach and duodenum with hemorrhage")

SETF (GETHASH ".537.82" ICD9-HASH-TABLE)

"Unspecified disorder of stomach and duodenum")

SETF (GETHASH ".537.91" ICD9-HASH-TABLE)

"Unspecified disorder of stomach and duodenum")

SETF (GETHASH ".540.01" ICD9-HASH-TABLE) "With generalized peritonitis")

SETF (GETHASH ".540.11" ICD9-HASH-TABLE) "With peritoneal abscess")

SETF (GETHASH ".540.11" ICD9-HASH-TABLE) "With peritoneal abscess")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ETF (GETHASH ''537' ICO9-HASH-TABLE)

"Other disorders of stomach and duodenum")

"ETF (GETHASH ''537.0" ICO9-HASH-TABLE)

"ETF (GETHASH ''537.0" ICO9-HASH-TABLE) "Gastric diverticulum")

"ETF (GETHASH ''537.2" ICO9-HASH-TABLE) "Chronic duodenal ileus")

"ETF (GETHASH ''537.3" ICO9-HASH-TABLE) "Chronic duodenal ileus")

"ETF (GETHASH ''537.3" ICO9-HASH-TABLE)

"Fistula of stomach or duodenum")

"ETF (GETHASH ''537.5" ICO9-HASH-TABLE)

"Fistula of stomach or duodenum")

"ETF (GETHASH ''537.5" ICO9-HASH-TABLE)

"Hourglass stricture or stenosis of stomach")

"Petrophysis")

"Hourglass stricture or stenosis of stomach")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Other hernia of abdominal cavity, with gangrene")
(SETF (GETHASH "S51.0" ICD9-HASH-TABLE) "Femoral hernia with gangrene")
(SETF (GETHASH "S51.00" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF (GETHASH "'543.9" ICD9-HASH-TABLE)

(SETF (GETHASH "'543.9" ICD9-HASH-TABLE)

(SETF (GETHASH "'550.0" ICD9-HASH-TABLE)
(SETF (GETHASH "'550.0" ICD9-HASH-TABLE)

(SETF (GETHASH "'550.0" ICD9-HASH-TABLE)

'Inguinal hernia, with gangrene")

(SETF (GETHASH "'550.9" ICD9-HASH-TABLE)

"Inguinal hernia, with obstruction, without mention of gangrene")

(SETF (GETHASH "'550.9" ICD9-HASH-TABLE)

"Inguinal hernia, without mention of obstruction or gangrene")

(SETF (GETHASH "'551" ICD9-HASH-TABLE)
                                                                                                                                                                                          "Disorders of function of stomach")

(GETHASH "1536.0" ICD9-HASH-TABLE) "Achlorhydria")

(GETHASH "1536.1" ICD9-HASH-TABLE) "Achlorhydria")

(GETHASH "1536.2" ICD9-HASH-TABLE) "Persistent vomiting")

(GETHASH "1536.3" ICD9-HASH-TABLE) "Gastroparesis")

(GETHASH "1536.8" ICD9-HASH-TABLE)

"Upspepsia and other specified disorders of function of stomach")

(GETHASH "1536.9" ICD9-HASH-TABLE)

"Upspecified functional disorder of stomach")
(GETHASH ""535.3" ICD9-HASH-TABLE) "Alcoholic gastritis")
(GETHASH ""535.4" ICD9-HASH-TABLE) "Other specified gastritis")
(GETHASH ""535.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Without mention of peritonitis")
(GETHASH "1541" ICD9-HASH-TABLE) "Appendicitis, unqualified")
(GETHASH "1542" ICD9-HASH-TABLE) "Other appendicitis")
(GETHASH "1543" ICD9-HASH-TABLE) "Other diseases of appendix")
(GETHASH "1543.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF (GETHASH "551.03" ICD9-HASH-TABLE)
(SETF (GETHASH "551.03" ICD9-HASH-TABLE)
(SETF (GETHASH "551.03" ICD9-HASH-TABLE) "Bilateral, recurrent")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Unilateral or unspecified (not specified as recurrent)") (SETF (GETHASH '"551.01" ICD9-HASH-TABLE)
                                                                                      "Unspecified gastritis and gastroduodenitis")
(GETHASH "535.6" ICD9-HASH-TABLE) "Duodenitis")
(GETHASH "536" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF )
                                                                                                                                   (SETF
(SETF
                                                                                                                                                                                                                                    (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
(SETF
(SETF
(SETF
```

```
(SET (CETMASH "SSIL") TOD9—MASH—TABLE D.

SET (CETMASH "SSIL D.

SET (CETMASH "SSIL
```

```
GETF (GETMASH "1556.2" TOD-MASH-TABLE)

(STET (GETMASH "1557.2" TOD-MASH-TABLE)

(STET (GETMASH "1558.2" TOD-MASH-TABLE
```

```
(SETF (GETHASH ""568.82" ICD9-HASH-TABLE)

(SETF (GETHASH ""568.82" ICD9-HASH-TABLE)

(SETF (GETHASH ""568.82" ICD9-HASH-TABLE)

(SETF (GETHASH ""568.82" ICD9-HASH-TABLE)

(SETF (GETHASH ""568.12" ICD9-HASH-TABLE)

(SETF (GETHASH ""569.12" ICD9-HASH-TABLE) "Rectal prolapse")

(SETF (GETHASH ""569.12" ICD9-HASH-TABLE) "Rectal prolapse")

(SETF (GETHASH ""569.12" ICD9-HASH-TABLE) "Rectal prolapse")

(SETF (GETHASH ""569.12" ICD9-HASH-TABLE) "Remorrhage of rectum and anus")

(SETF (GETHASH ""569.12" ICD9-HASH-TABLE) "Remorrhage of rectum and anus")

(SETF (GETHASH ""569.41" ICD9-HASH-TABLE) "Uncer of anus and rectum")

(SETF (GETHASH ""569.42" ICD9-HASH-TABLE) "Uncer of anus and rectum")

(SETF (GETHASH ""569.42" ICD9-HASH-TABLE) "Anal or rectal pain")

(SETF (GETHASH ""569.42" ICD9-HASH-TABLE) "Anal or rectal pain")

(SETF (GETHASH ""569.42" ICD9-HASH-TABLE) "Abbscess of intestine")

(SETF (GETHASH ""569.5" ICD9-HASH-TABLE) "Abbscess of intestine")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TO SET GETHASH "S67." ILUS-MASH-TABLE) "Unspecified functional disorder of intestine")

"Unspecified functional disorder of intestine")

ETF (GETHASH "S65." ICD9-HASH-TABLE) "Anal fissure")

ETF (GETHASH "S65.1" ICD9-HASH-TABLE) "Anal fistula")

ETF (GETHASH "S66." ICD9-HASH-TABLE) "Peritonitis")

ETF (GETHASH "S67." ICD9-HASH-TABLE) "Peritonitis")

ETF (GETHASH "S67.2" ICD9-HASH-TABLE) "Prevince specified peritonitis")

ETF (GETHASH "S67.2" ICD9-HASH-TABLE) "Other suppurative peritonitis")

ETF (GETHASH "S67.8" ICD9-HASH-TABLE) "Other specified peritonitis")

ETF (GETHASH "S67.8" ICD9-HASH-TABLE) "Unspecified peritonitis")

ETF (GETHASH "S68" ICD9-HASH-TABLE) "Other disorders of peritonitis")

ETF (GETHASH "S68" ICD9-HASH-TABLE) "Other disorders of peritoneum")
                        "Functional digestive disorders, not elsewhere classified")
(SETF (GETHASH ""564.0" ICD9-HASH-TABLE) "Constipation")
(SETF (GETHASH ""564.1" ICD9-HASH-TABLE) "Irritable colon")
(SETF (GETHASH ""564.2" ICD9-HASH-TABLE) "Postgastric surgery syndromes")
(SETF (GETHASH ""564.3" ICD9-HASH-TABLE)
"Vomiting following gastrointestinal surgery")
(SETF (GETHASH ""564.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF (GETHASH "569.82" ICD9-HASH-TABLE) "Ulceration of intestine")
(SETF (GETHASH "569.82" ICD9-HASH-TABLE) "Ulceration of intestine")
(SETF (GETHASH "569.83" ICD9-HASH-TABLE) "Perforation of intestine")
(SETF (GETHASH "569.84" ICD9-HASH-TABLE)
"Anglodysplasia of intestine (without mention of hemorrhage)")
(SETF (GETHASH "569.85" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Colostomy and enterostomy complications")
(GETHASH '"569.60" ICD9-HASH-TABLE) "Unspecified complication")
(GETHASH '"569.61" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                              "Other postoperative functional disorders")
(GETHASH ""564.5" ICD9-HASH-TABLE) "Functional diarrhea")
(GETHASH ""564.6" ICD9-HASH-TABLE) "Anal spasm")
(GETHASH ""564.7" ICD9-HASH-TABLE)
"Megacolon, other than Hirschsprung's")
(GETHASH ""564.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Infection of colostomy or enterostomy")
(GETHASH '"569.69" ICD9-HASH-TABLE) "Other complication")
(GETHASH '"569.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Peritoneal adhesions (postoperative) (postinfective)")
(SETF (GETHASH ""568.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Angiodysplasia of intestine with hemorrhage")
(GETHASH ""569.89" ICD9-HASH-TABLE) "Other")
(GETHASH ""569.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Other specified disorders of peritoneum")
(GETHASH '"568.81" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Other specified disorders of intestine") (SETF (GETHASH ""569.81" ICD9-HASH-TABLE)
(SETF (GETHASH '"564" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                          (SETF (SETF (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
```

(SETF (

```
CETT (GETHASH "574.7" ICD9-HASH-TABLE)

(SETF (GETHASH "574.7" ICD9-HASH-TABLE)

(SETF (GETHASH "574.7" ICD9-HASH-TABLE)

(SETF (GETHASH "574.8" ICD9-HASH-TABLE)

(SETF (GETHASH "574.9" ICD9-HASH-TABLE)

(SETF (GETHASH "574.9" ICD9-HASH-TABLE)

"Calculus of gallbladder and bile duct without cholecystitis")

"Calculus of gallbladder and bile duct without solecystitis")

(SETF (GETHASH "575.0" ICD9-HASH-TABLE) "Other disorders of gallbladder")

(SETF (GETHASH "575.0" ICD9-HASH-TABLE) "Acute cholecystitis")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Other specified disorders of liver")
(GETHASH "1573.9" ICO9-HASH-TABLE) "Unspecified disorder of liver")
(GETHASH "1574.0" ICO9-HASH-TABLE) "Cholelithiasis")
(GETHASH "1574.0" ICO9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Chronic hepatitis, unspecified")
"Chronic hepatitis, unspecified")
(GETHASH "571.41" ICD9-HASH-TABLE) "Chronic persistent hepatitis")
(GETHASH "571.8" ICD9-HASH-TABLE) "Other")
(GETHASH "571.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETE (GETHASH "57.9 LLOP-HADALP)

(SETE (GETHASH "572" ICD9-HASH-TABLE)

(SETE (GETHASH "572" ICD9-HASH-TABLE)

(SETE (GETHASH "572" ICD9-HASH-TABLE)

(SETE (GETHASH "572.0" ICD9-HASH-TABLE) "Abscess of liver")

(SETE (GETHASH "572.1" ICD9-HASH-TABLE) "Portal pyemia")

(SETE (GETHASH "572.2" ICD9-HASH-TABLE) "Portal pyemia")

(SETE (GETHASH "572.3" ICD9-HASH-TABLE) "Portal hypertension")

(SETE (GETHASH "572.3" ICD9-HASH-TABLE) "Hepatric coma")

(SETE (GETHASH "572.3" ICD9-HASH-TABLE) "Hepatorenal syndrome")

(SETE (GETHASH "572.3" ICD9-HASH-TABLE) "Hepatorenal syndrome")

(SETE (GETHASH "572.3" ICD9-HASH-TABLE)

"Other sequelae of Chronic liver disease")

(SETE (GETHASH "573.0" ICD9-HASH-TABLE) "Other disorders of liver")
                        (GETHASH "S70" ICCD-HASH-TABLE)

"Acute and subacute necrosis of liver")

(GETHASH "S71" ICD9-HASH-TABLE)
"Chronic liver disease and cirrhosis")
"Chronic liver disease and cirrhosis")
"CGETHASH "S71.0" ICD9-HASH-TABLE) "Alcoholic fatty liver")

(GETHASH "S71.1" ICD9-HASH-TABLE) "Acute alcoholic hepatitis")

(GETHASH "S71.3" ICD9-HASH-TABLE) "Alcoholic cirrhosis of liver")

(GETHASH "S71.3" ICD9-HASH-TABLE)

(GETHASH "S71.4" ICD9-HASH-TABLE)

(GETHASH "S71.40" ICD9-HASH-TABLE)

(GETHASH "S71.40" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF (GETHASH "S74.1" ICD9-HASH-TABLE)
(SETF (GETHASH "S74.1" ICD9-HASH-TABLE)
(GETHASH "S74.1" ICD9-HASH-TABLE)
(GETHASH "S74.2" ICD9-HASH-TABLE)
(SETF (GETHASH "S74.2" ICD9-HASH-TABLE)
(SETF (GETHASH "S74.3" ICD9-HASH-TABLE)
(SETF (GETHASH "S74.3" ICD9-HASH-TABLE)
(SETF (GETHASH "S74.4" ICD9-HASH-TABLE)
(SETF (GETHASH "S74.4" ICD9-HASH-TABLE)
(SETF (GETHASH "S74.4" ICD9-HASH-TABLE)
(GETHASH "S74.5" ICD9-HASH-TABLE)
(GETHASH "S74.5" ICD9-HASH-TABLE)
(GETHASH "S74.5" ICD9-HASH-TABLE)
(GETHASH "S74.6" ICD9-HASH-TABLE)
(GETHASH "S74.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Hepatitis in viral diseases classified elsewhere")
(SETF (GETHASH "573.2" ICD9-HASH-TABLE)
"Hepatitis in other infectious diseases classified elsewhere")
(SETF (GETHASH "573.3" ICD9-HASH-TABLE) "Hepatitis, unspecified")
(SETF (GETHASH "573.4" ICD9-HASH-TABLE) "Hepatic infarction")
(SETF (GETHASH "573.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Cirrhosis of liver without mention of alcohol")
(GETHASH "571.6" ICD9-HASH-TABLE)
(GETHASH "571.8" ICD9-HASH-TABLE)
(GETHASH "571.9" ICD9-HASH-TABLE)
(GETHASH "571.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Chronic passive congestion of liver")
(GETHASH "573.1" ICD9-HASH-TABLE)
"Unspecified disorder of intestine")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
(SETF
                                (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
(SETF
                                                                                                                                                                                    (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                            (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                                                                                (SETF
```

```
"With lesion of proliferative glomerulonephritis")

(GETHASH "580.4" ICD9-HASH-TABLE)

(GETHASH "580.4" ICD9-HASH-TABLE)

"With lesion of proliferative glomerulonephritis")

(GETHASH "580.8" ICD9-HASH-TABLE)

"With other specified pathological lesion in kidney")

(GETHASH "580.8" ICD9-HASH-TABLE)

"Acute glomerulonephritis in diseases classified elsewhere")

(GETHASH "580.99" ICD9-HASH-TABLE)

"Acute glomerulonephritis with unspecified pathological lesion in kidney")

(GETHASH "580.9" ICD9-HASH-TABLE)

"Acute glomerulonephritis with unspecified pathological lesion in kidney")

(GETHASH "581.0" ICD9-HASH-TABLE)

"Refine Table "Nephrotic syndrome")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF (GETHASH "S76 ILUD9-HASH-TABLE)

(SETF (GETHASH "S76.0" ICD9-HASH-TABLE) "Postcholecystectomy syndrome")

(SETF (GETHASH "S76.1" ICD9-HASH-TABLE) "Robardistis")

(SETF (GETHASH "S76.1" ICD9-HASH-TABLE) "Robarction of bile duct")

(SETF (GETHASH "S76.3" ICD9-HASH-TABLE) "Perforation of bile duct")

(SETF (GETHASH "S76.4" ICD9-HASH-TABLE) "Spasm of sphincter of Oddi")

(SETF (GETHASH "S76.5" ICD9-HASH-TABLE) "Spasm of sphincter of Oddi")

(SETF (GETHASH "S76.5" ICD9-HASH-TABLE)

"Other specified disorders of biliary tract")

(SETF (GETHASH "S76.9" ICD9-HASH-TABLE) "Diseases of pancreas")

(SETF (GETHASH "S77.1" ICD9-HASH-TABLE) "Scutte pancreatitis")

(SETF (GETHASH "S77.2" ICD9-HASH-TABLE) "Chronic PANCREAN "S77.2" ICD9-HASH-TABLE) "CHRONIC PANCREAN "S77.2" ICD9-HASH-TABLE) "CHRONIC PANCREAN "S77.3" ICD9-HASH-TABLE) "CHR
SETF (GETHASH ""575.1" ICD9-HASH-TABLE) "Other cholecystitis")
SETF (GETHASH ""575.10" ICD9-HASH-TABLE) "Cholecystitis, unspecified")
SETF (GETHASH ""575.11" ICD9-HASH-TABLE) "Chronic cholecystitis")
SETF (GETHASH ""575.12" ICD9-HASH-TABLE) "Chronic cholecystitis")
SETF (GETHASH ""575.2" ICD9-HASH-TABLE) "Obstruction of gallbladder")
SETF (GETHASH ""575.3" ICD9-HASH-TABLE) "Hydrops of gallbladder")
SETF (GETHASH ""575.4" ICD9-HASH-TABLE) "Fistula of gallbladder")
SETF (GETHASH ""575.6" ICD9-HASH-TABLE) "Fistula of gallbladder")
SETF (GETHASH ""575.6" ICD9-HASH-TABLE)
"Cholesterolosis of gallbladder")
SETF (GETHASH ""575.8" ICD9-HASH-TABLE)
"Cholesterolosis of gallbladder")
SETF (GETHASH ""575.9" ICD9-HASH-TABLE)
"Unspecified disorders of gallbladder")
SETF (GETHASH ""576" ICD9-HASH-TABLE)
"Unspecified disorder of gallbladder")
SETF (GETHASH ""576" ICD9-HASH-TABLE)
"Unspecified disorder of gallbladder")
SETF (GETHASH ""576" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Unspecified disease of pancreas")
(GETHASH "578" ICD9-HASH-TABLE) "Gastrointestinal hemorrhage")
(GETHASH "578.0" ICD9-HASH-TABLE) "Hematemesis")
(GETHASH "578.1" ICD9-HASH-TABLE) "Blood in stool")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Henrorhage of gastrointestinal tract, unspecified")
(GETHASH "579" ICD9-HASH-TABLE) "Intestinal malabsorption")
(GETHASH "579" ICD9-HASH-TABLE) "Caliac disease")
(GETHASH "579.1" ICD9-HASH-TABLE) "Tropical sprue")
(GETHASH "579.2" ICD9-HASH-TABLE) "Blind loop syndrome")
(GETHASH "579.3" ICD9-HASH-TABLE)
"Other and unspecified postsurgical nonabsorption")
(GETHASH "579.4" ICD9-HASH-TABLE)
(GETHASH "579.4" ICD9-HASH-TABLE)
(GETHASH "579.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Unspecified intestinal malabsorption")
(GETHASH ""580" ICD9-HASH-TABLE) "Acute glomerulonephritis")
(GETHASH ""580.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Other specified intestinal malabsorption")
(GETHASH '"579.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                   (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
```

```
"With lesion of renal medullary necrosis")
(GETHASH "S83.8" ICD9-HASH-TABLE)

"With other specified pathological lesion in kidney")
(GETHASH "S83.81" ICD9-HASH-TABLE)

"Nephrits and nephropathy, not specified as acute or chronic, in diseases classified elsewhere")
(GETHASH "S83.89" ICD9-HASH-TABLE)
"With unspecified pathological lesion in kidney")
(GETHASH "S84.8" ICD9-HASH-TABLE) "Acute renal failure")
(GETHASH "S84.1" ICD9-HASH-TABLE) "Acute renal failure")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Chronic glomerulonephritis with unspecified pathological lesion in kidney") (GFHASH "1883" ICD9-HASH-TABLE)
"Nephritis and nephropathy, not specified as acute or chronic") (GFHASH" 1883" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                    "Nephrotic syndrome with unspecified pathological lesion in kidney")
(GETHASH "'S82" ICD9-HASH-TABLE) "Chronic glomerulonephritis")
(GETHASH "'S82.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Acute renal failure, unspecified")
(GETHASH "788" ICD9-HASH-TABLE) "Chronic renal failure")
(GETHASH "788" ICD9-HASH-TABLE) "Renal failure, unspecified")
(GETHASH "788" ICD9-HASH-TABLE) "Renal sclerosis, unspecified")
(GETHASH "788" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Chronic glomerulonephritis in diseases classified elsewhere")
(GETHASH "1882.89" ICD9-HASH-TABLE) "Other")
(GETHASH "1882.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF (GETHASH "S83.2" ICD9-HASH-TABLE)

(SETF (GETHASH "S83.2" ICD9-HASH-TABLE)

(SETF (GETHASH "S83.4" ICD9-HASH-TABLE)

With lesion of membranoproliferative glomerulonephritis")

(SETF (GETHASH "S83.4" ICD9-HASH-TABLE)

(SETF (GETHASH "S83.6" ICD9-HASH-TABLE)

"With lesion of renal cortical nerosis")

(SETF (GETHASH "S83.7" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "With lesion of membranous glomerulonephritis")
(GETHASH "582.2" ICD9-HASH-TABLE)
(GETHASH "582.4" ICD9-HASH-TABLE)
(GETHASH "182.4" ICD9-HASH-TABLE)
"With lesion of rapidly progressive glomerulonephritis")
(GETHASH "1850 of rapidly progressive glomerulonephritis")
                                                       "With Tesion of membranous glomerulonephritis")
(SETF (GETHASH ""SB1.2" ICD9-HASH-TABLE)
"With Tesion of membranoproliferative glomerulonephritis")
(SETF (GETHASH ""581.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 lesion of renal medullary [papillary] necrosis")
ASH ""584.8" [CD9-HASH-TABLE]
                                                                                                                                                                                                                                                                                                   "Nephrotic syndrome in diseases classified elsewhere") (GETHASH ""S81.89" ICD9-HASH-TABLE) "Other") (GETHASH ""S81.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "With other specified pathological lesion in kidney") (GETHASH "582.81" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "With other specified pathological lesion in kidney")
(GETHASH ""584.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                            "With other specified pathological lesion in kidney") (SETF (GETHASH ""581.81" ICD9-HASH-TABLE)
                                                                                                                                                                           "With lesion of minimal change glomerulonephritis")
(SETF (GETHASH ""S81.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "With lesion of proliferative glomerulonephritis")
(GETHASH "582.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "With lesion of proliferative glomerulonephritis")
(SETF (GETHASH "'S83.1" ICD9-HASH-TABLE)
"With lesion of proliferative glomerulonephritis") (SETF (GETHASH ""581.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "With lesion of renal cortical necrosis")
(GETHASH '"584.7" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "With lesion of tubular necrosis")
(GETHASH '"S84.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
                                                                                                                                                                                                                                                                                                                                             (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
```

```
"With lesion of renal medulary necrosis")

(SETF (GETHASH "1590.1" ICD9-HASH-TABLE)

(SETF (GETHASH "1590.10" ICD9-HASH-TABLE)

(SETF (GETHASH "1590.10" ICD9-HASH-TABLE)

"Without lesion of renal medullary necrosis")

(SETF (GETHASH "1590.1" ICD9-HASH-TABLE)

"With lesion of renal medullary necrosis")

(SETF (GETHASH "1590.2" ICD9-HASH-TABLE) "Pyeloureteritis cystica")

(SETF (GETHASH "1590.3" ICD9-HASH-TABLE) "Pyeloureteritis cystica")

(SETF (GETHASH "1590.3" ICD9-HASH-TABLE) "Pyeloureteritis cystica")

(SETF (GETHASH "1590.3" ICD9-HASH-TABLE) "Pyelonephritis, unspecified")

(SETF (GETHASH "1590.8" ICD9-HASH-TABLE)

(SETF (GETHASH "1590.9" ICD9-HASH-TABLE)
                                                                                           "Mephrogenic diabetes insipidus")
ETF (CETHASH "788.8" ICO9-HASH-TABLE)
"Other specified disorders resulting from impaired renal function")
"Unspecified disorder resulting from impaired renal function")
"Unspecified disorder resulting from impaired renal function")
"Unspecified disorder resulting from impaired renal function")
"ETF (CETHASH "789.9" ICO9-HASH-TABLE) "Small kidney of unknown cause")
EETF (CETHASH "789.0" ICO9-HASH-TABLE) "Small kidney, unspecified")
EETF (CETHASH "789.9" ICO9-HASH-TABLE) "Infections of kidney")
EETF (CETHASH "7890.0" ICO9-HASH-TABLE) "Chronic pyelonephritis")
EETF (CETHASH "7890.0" ICO9-HASH-TABLE)
EETF (CETHASH "1890.0" ICO9-HASH-TABLE)
EETF (CETHASH "1890.0" ICO9-HASH-TABLE)
EETF (CETHASH "1890.0" ICO9-HASH-TABLE)
"Without lesion of renal medullary necrosis")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Other disorders of kidney and ureter")

"Dither disorders of kidney and ureter")

ETF (GETHASH "193.0" ICD9-HASH-TABLE) "Nephroptosis")

ETF (GETHASH "193.1" ICD9-HASH-TABLE) "Hypertrophy of kidney")

ETF (GETHASH "193.3" ICD9-HASH-TABLE) "Cyst of kidney, acquired")

ETF (GETHASH "193.3" ICD9-HASH-TABLE) "Cyst of kidney, acquired")

ETF (GETHASH "193.4" ICD9-HASH-TABLE) "Hydroureter")

ETF (GETHASH "193.4" ICD9-HASH-TABLE) "Postural proteinuria")

ETF (GETHASH "193.4" ICD9-HASH-TABLE) "Vestioureteral reflux")

ETF (GETHASH "193.70" ICD9-HASH-TABLE) "Vestioureteral reflux")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "With reflux nephropathy, unitateral")
(GETHASH "193.72" ICD9-HASH-TABLE)
"With reflux nephropathy, bilateral")
(GETHASH "193.73" ICD9-HASH-TABLE)
"Other specified disorders of kidney and ureter")
(GETHASH "193.81" ICD9-HASH-TABLE)
(GETHASH "193.82" ICD9-HASH-TABLE)
(GETHASH "193.82" ICD9-HASH-TABLE)
(GETHASH "193.89" ICD9-HASH-TABLE)
(GETHASH "193.89" ICD9-HASH-TABLE)
"Infereral fistula")
(GETHASH "193.99" ICD9-HASH-TABLE)
"Infereral fistula")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Infection of kidney, unspecified")
(GETHASH "591" ICD9-HASH-TABLE) "Hydronephrosis")
(GETHASH "592. ICD9-HASH-TABLE) "Calculus of kidney and ureter")
(GETHASH "592.0" ICD9-HASH-TABLE) "Calculus of kidney")
(GETHASH "592.1" ICD9-HASH-TABLE) "Calculus of ureter")
(GETHASH "592.9" ICD9-HASH-TABLE) "Urinary calculus, unspecified")
(GETHASH "593" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Unspecified disorder of kidney and ureter")
(GETHASH "1594" ICD9-HASH-TABLE) "Calculus of lower urinary tract")
(GETHASH "1594.0" ICD9-HASH-TABLE)
"Disorders resulting from impaired renal function")
(GETHASH '"588.0" ICD9-HASH-TABLE) "Renal osteodystrophy")
(GETHASH '"588.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Unspecified or without reflux nephropathy")
(GETHASH '"593.71" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
                                                                                                                                           (SETF
                                                                                                                                                                                                                 (SETF
                                                                                                                                                                                                                                                                                                                    SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
```

"Calculus in diverticulum of bladder") (SETF (GETHASH '"S94.1" ICD9-HASH-TABLE) "Other calculus in bladder")

```
TET (CETHASH '1996.39" ICO9-HASH-TABLE)
"Detrusor spin.or of visynengia")
"ETF (CETHASH '1996.59" ICO9-HASH-TABLE)
"Other functional disorder of bladder")
"ETF (CETHASH '1996.6" ICO9-HASH-TABLE)
"Rupture of bladder, nontraumatic")
"ETF (CETHASH '1996.7" ICO9-HASH-TABLE)
"Other specified disorders of bladder")
"ETF (CETHASH '1996.9" ICO9-HASH-TABLE)
"Unspecified disorder of bladder")
"ETF (CETHASH '1996.9" ICO9-HASH-TABLE)
"Unspecified disorder of bladder")
"ETF (CETHASH '1996.9" ICO9-HASH-TABLE)
                                                                                                          "Calculus of lower urinary tract, unspecified")
(GETHASH "1995" ICD9-HASH-TABLE) "Cystitis")
(GETHASH "1995.0" ICD9-HASH-TABLE) "Acute cystitis")
(GETHASH "1995.2" ICD9-HASH-TABLE) "Chronic interstitial cystitis")
(GETHASH "1995.2" ICD9-HASH-TABLE) "Other chronic cystitis")
(GETHASH "1995.4" ICD9-HASH-TABLE) "Trigonitis")
(GETHASH "1995.4" ICD9-HASH-TABLE)
"Cystitis in diseases classified elsewhere")
(GETHASH "1995.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Upethitis, not sexually transmitted, and urethral syndrome")
(GETHASH "1897.0" ICD9-HASH-TABLE) "Upethral abscess")
(GETHASH "1897.8" ICD9-HASH-TABLE) "Upethral abscess")
(GETHASH "1897.80" ICD9-HASH-TABLE) "Upethral syndrome NOS")
(GETHASH "1897.81" ICD9-HASH-TABLE) "Upethral syndrome NOS")
(GETHASH "1897.80" ICD9-HASH-TABLE) "Upethral stricture")
(GETHASH "1898.0" ICD9-HASH-TABLE) "Upethral stricture")
(GETHASH "1898.0" ICD9-HASH-TABLE) "Upethral stricture")
(GETHASH "1898.0" ICD9-HASH-TABLE) "Upethral stricture due to infection")
(GETHASH "1898.01" ICD9-HASH-TABLE) "Due to unspecified infection")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Due to infective diseases classified elsewhere")
(GETHASH "1598.1" ICD9-HASH-TABLE) "Traumatic urethral stricture")
(GETHASH "1598.2" ICD9-HASH-TABLE)
"Postoperative urethral stricture")
(GETHASH "1598.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                    "Other specified types of cystitis")
"Other specified types of cystitis")
EFF (GETHASH "1995.81" ICD9-HASH-TABLE) "Cystitis cystica")
EFF (GETHASH "1995.82" ICD9-HASH-TABLE) "Irradiation cystitis")
EFF (GETHASH "1995.90" ICD9-HASH-TABLE) "Other")
EFF (GETHASH "1996.90" ICD9-HASH-TABLE) "Other disorders of bladder")
EFF (GETHASH "1996.00" ICD9-HASH-TABLE) "Bladder neck obstruction")
EFF (GETHASH "1996.10" ICD9-HASH-TABLE) "Intestinovesical fistula")
EFF (GETHASH "1996.30" ICD9-HASH-TABLE) "Diverticulum of bladder")
EFF (GETHASH "1996.30" ICD9-HASH-TABLE) "Diverticulum of bladder")
EFF (GETHASH "1996.30" ICD9-HASH-TABLE) "Diverticulum of bladder")
EFF (GETHASH "1996.30" ICD9-HASH-TABLE) "Other functional disorders of bladder")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (GETHASH "'596.51" ICD9-HASH-TABLE) "Hypertonicity of bladder") (GETHASH "'596.52" ICD9-HASH-TABLE) "Low bladder compliance") (GETHASH "'596.52" ICD9-HASH-TABLE) "Paralysis of bladder") (GETHASH "'596.54" ICD9-HASH-TABLE) "Neurogenic bladder NOS") (GETHASH "'596.55" ICD9-HASH-TABLE) "Neurogenic bladder NOS")
(GETHASH "'S94.2" ICD9-HASH-TABLE) "Calculus in urethra") (GETHASH "'S94.8" ICD9-HASH-TABLE) "Chher lower urinary tract calculus") (GETHASH "'S94.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Other disorders of urethra and urinary tract")
(GETHASH '"599.0" ICD9-HASH-TABLE)
"Urinary tract infection, site not specified")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Other specified causes of urethral stricture")
(GETHASH '"598.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Urethral stricture, unspecified")
(SETF (GETHASH "1599" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GETHASH
                                                                                                                                                                                                                                                                                                                                                           (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
      (SETF
(SETF
                                                                                          (SETF
                                                                                                                                                   (SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
```

(SETF

```
"Other orchitis, epididymitis, and epididymo-orchitis, without mention of abscess")
(GETHASH ""604.90" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Infertility due to extratesticular causes")
[EFHASH "606.9" ICD9-HASH-TABLE) "Male infertility, unspecified")
[GETHASH "607" ICD9-HASH-TABLE) "Disorders of penis")
[GETHASH "607.0" ICD9-HASH-TABLE) "Leukoplakia of penis")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Orchitis and epididymitis, unspecified")
(GETHASH "604.91" ICD9-HASH-TABLE)
"Orchitis and epididymitis, unspecified")
(GETHASH "604.91" ICD9-HASH-TABLE)
(GETHASH "604.91" ICD9-HASH-TABLE "Other")
(GETHASH "606.01" ICD9-HASH-TABLE) "Redundant prepuce and phimosis")
(GETHASH "606.01" ICD9-HASH-TABLE) "Infertility, male")
(GETHASH "606.01" ICD9-HASH-TABLE) "Azoospermia")
(GETHASH "606.01" ICD9-HASH-TABLE) "Oligospermia")
(GETHASH "'599.1" ICD9-HASH-TABLE) "Urethral fistula")
(GETHASH "'599.2" ICD9-HASH-TABLE) "Urethral diverticulum")
(GETHASH "'599.4" ICD9-HASH-TABLE) "Urethral caruncla")
(GETHASH "'599.4" ICD9-HASH-TABLE) "Urethral false passage")
(GETHASH "'599.5" ICD9-HASH-TABLE) "Prolapsed urethral mucosa")
(GETHASH "'599.6" ICD9-HASH-TABLE) "Prolapsed urethral cosa")
(GETHASH "'599.7" ICD9-HASH-TABLE) "Hematuria")
(GETHASH "'599.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Other specified inflammatory diseases of prostate")
(GETHASH ""601.9" ICD9-HASH-TABLE) "Prostatitis, unspecified")
(GETHASH ""602.1CD9-HASH-TABLE) "Other disorders of prostate")
(GETHASH "1602.0" ICD9-HASH-TABLE) "Calculus of prostate")
(GETHASH "1602.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Other specified types of hydrocele.")
(GETHASH "603.9" ICD9-HASH-TABLE) "Hydrocele, unspecified")
(GETHASH "604.0" ICD9-HASH-TABLE) "Orchitis and epididymitis")
(GETHASH "604.0" ICD9-HASH-TABLE)
"Orchitis, epididymitis, and epididymo-orchitis, with abscess")
(GETHASH "604.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                   "Other specified disorders of urethra and urinary tract")
(GETHASH ""599.81" ICD9-HASH-TABLE) "Urethral hypermobility")
(GETHASH ""599.82" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                          "Intrinsic (urethral) sphincter deficiency [ISD]")
(SETE (GETHASH "1599, 83" ICD9-HASH-TABLE) "Urethral instability")
(SETF (GETHASH "1599, 84" ICD9-HASH-TABLE)
"Other specified disorders of urethra")
(SETF (GETHASH "1599, 89" ICD9-HASH-TABLE)
"Other specified disorders of urinary tract")
(SETF (GETHASH "1599, 9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Unspecified disorder of urethra and urinary tract")
(GETHASH "600" ICD9-HASH-TABLE) "Hyperplasia of prostate")
(GETHASH "601" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Inflammatory diseases of prostate")
(GETHASH "601.0" ICD9-HASH-TABLE) "Acute prostatitis")
(GETHASH "601.1" ICD9-HASH-TABLE) "Chronic prostatitis")
(GETHASH "601.2" ICD9-HASH-TABLE) "Abscess of prostate")
(GETHASH "601.3" ICD9-HASH-TABLE) "Prostatocystitis")
(GETHASH "601.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Congestion or hemorrhage of prostate")
(GETHASH '"602.2" ICD9-HASH-TABLE) "Atrophy of prostate")
(GETHASH '"602.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Unspecified disorder of prostate")
(GETHASH "603" ICD9-HASH-TABLE) "Hydrocele")
(GETHASH "603.0" ICD9-HASH-TABLE) "Encysted hydrocele")
(GETHASH "603.1" ICD9-HASH-TABLE) "Infected hydrocele")
(GETHASH "603.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Prostatitis in diseases classified elsewhere")
(GETHASH "601.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Other specified disorders of prostate")
(GETHASH "602.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
                                                                                                                                                                                                                                                                                                     (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
(SETF
(SETF
                                                                                                                                                                                                               (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
      (SETF
(SETF
(SETF
(SETF
(SETF
```

```
Inflammatory disease of ovary, fallopian tube, pelvic cellular tissue, and peritoneum")
GETHASH ""614.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Inflammatory disease of breast")

ETF (CETHASH "G11.1" ICD9-HASH-TABLE) "Hypertrophy of breast")

ETF (CETHASH "G11.2" ICD9-HASH-TABLE) "Hispertrophy of breast")

ETF (CETHASH "G11.3" ICD9-HASH-TABLE) "Fist necrosis of breast")

ETF (CETHASH "G11.4" ICD9-HASH-TABLE) "Atrophy of breast")

ETF (CETHASH "G11.6" ICD9-HASH-TABLE) "Galactocele")

ETF (CETHASH "G11.7" ICD9-HASH-TABLE) "Signs and symptoms in breast")

ETF (CETHASH "G11.7" ICD9-HASH-TABLE) "Signs and symptoms in breast")

ETF (CETHASH "G11.7" ICD9-HASH-TABLE) "Mastodynia")

ETF (CETHASH "G11.7" ICD9-HASH-TABLE) "Lump or mass in breast")

ETF (CETHASH "G11.78" ICD9-HASH-TABLE) "Cther")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Other specified disorders of male genital organs")
(GETHASH "1608.81" ICD9-HASH-TABLE)
Josorders of male genital organs in diseases classified elsewhere")
(GETHASH "1608.81" ICD9-HASH-TABLE) "Vascular disorders")
(GETHASH "1608.84" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ETF (GETHASH "608.85" ICD9-HASH-TABLE) "Ctricture")

ETF (GETHASH "608.85" ICD9-HASH-TABLE) "Edema")

ETF (GETHASH "608.86" ICD9-HASH-TABLE) "Edema")

ETF (GETHASH "608.9" ICD9-HASH-TABLE) "Other")

ETF (GETHASH "608.9" ICD9-HASH-TABLE) "Other")

"Inspectfied disorder of male genital organs")

ETF (GETHASH "610." ICD9-HASH-TABLE) "Solitary cyst of breast")

ETF (GETHASH "610.1" ICD9-HASH-TABLE) "Fibroadenosis of breast")

ETF (GETHASH "610.1" ICD9-HASH-TABLE) "Fibroadenosis of breast")

ETF (GETHASH "610.1" ICD9-HASH-TABLE) "Fibroadenosis of breast")

ETF (GETHASH "610.4" ICD9-HASH-TABLE) "Fibroadenosis of breast")

ETF (GETHASH "610.4" ICD9-HASH-TABLE) "Fibroadenosis of breast")

ETF (GETHASH "610.9" ICD9-HASH-TABLE) "Fibroadenosis of breast")
                                                                                                                                                    "Other specified disorders of penis")
(GETHASH "607.81" ICD9-HASH-TABLE)
**Balantis xerotica obliterana")
(GETHASH "607.82" ICD9-HASH-TABLE) "Vascular disorders of penis")
(GETHASH "607.83" ICD9-HASH-TABLE) "Edema of penis")
(GETHASH "607.89" ICD9-HASH-TABLE) "Importence of organic origin")
(GETHASH "607.89" ICD9-HASH-TABLE) "Other")
(GETHASH "607.89" ICD9-HASH-TABLE) "Other")
(GETHASH "607.91" ICD9-HASH-TABLE) "Unspecified disorder of penis")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Other specified disorders of breast")
(GETHASH '"611.9" ICD9-HASH-TABLE) "Unspecified breast disorder")
(GETHASH '"614" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Benign mammary dysplasia, unspecified")
(GETHASH '"611" ICD9-HASH-TABLE) "Other disorders of breast")
(GETHASH '"611.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Other disorders of male genital organs")
(GETHASH "608.0" ICD9-HASH-TABLE) "Seminal vesiculitis")
(GETHASH "608.1" ICD9-HASH-TABLE) "Spermatocele")
(GETHASH "608.2" ICD9-HASH-TABLE) "Torsion of testis")
(GETHASH "608.3" ICD9-HASH-TABLE) "Atrophy of testis")
(GETHASH "608.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Other inflammatory disorders of male genital organs")
(SETF (GETHASH ""608.8" ICD9-HASH-TABLE)
(GETHASH '"607.1" ICD9-HASH-TABLE) "Balanoposthitis")
(GETHASH '"607.2" ICD9-HASH-TABLE)
"Other inflammatory disorders of penis")
(GETHASH '"607.3" ICD9-HASH-TABLE) "Priapism")
(GETHASH '"607.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Acute salpingitis and oophoritis")
(GETHASH "614.1" ICD9-HASH-TABLE)
"Chronic salpingitis and oophoritis")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (GETHASH '"614.0"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
          (SETF
(SETF
                                                                                                 (SETF
(SETF
                                                                                                                                                                                                (SETF
                                                                                                                                                                                                                                                             (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
(SETF
(SETF
```

```
Chronic or unspecified parametritis and pelvic cellulitis")

(SETF (GETHASH "G14.5" ICD9-HASH-TABLE)

"Acute or unspecified pelvic peritonitis, female")

(SETF (GETHASH "G14.6" ICD9-HASH-TABLE)

"Pelvic peritoneal adhesions, female (postoperative) (postinfective)")

(SETF (GETHASH "G14.8" ICD9-HASH-TABLE)

"Other chronic pelvic peritonitis, female")

(SETF (GETHASH "G14.8" ICD9-HASH-TABLE)

"Other specified inflammatory disease of female pelvic organs and tissues")

(SETF (GETHASH "G14.9" ICD9-HASH-TABLE)

"Unspecified inflammatory disease of female pelvic organs and tissues")

(SETF (GETHASH "G15" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF (GETHASH "616" ILOD-HASH-TABLE)

(SETF (GETHASH "616" ILOD-HASH-TABLE)

(SETF (GETHASH "616" ILOD-HASH-TABLE)

(SETF (GETHASH "616.0" ILOD-HASH-TABLE)

(SETF (GETHASH "616.1" ILOD-HASH-TABLE) "Vaginitis and vulvovaginitis")

(SETF (GETHASH "616.1" ILOD-HASH-TABLE) "Vaginitis and vulvovaginitis.")

(SETF (GETHASH "616.1" ILOD-HASH-TABLE)

"Vaginitis and vulvovaginitis, unspecified")

(SETF (GETHASH "616.1" ILOD-HASH-TABLE) "Cyst of Bartholin's gland")

(SETF (GETHASH "616.3" ILOD-HASH-TABLE) "Cyst of Bartholin's gland")

(SETF (GETHASH "616.3" ILOD-HASH-TABLE) "Other abscess of vulva")

(SETF (GETHASH "616.3" ILOD-HASH-TABLE)

(SETF (GETHASH "616.3" ILOD-HASH-TABLE)

"Ulceration of vulva, unspecified")

(SETF (GETHASH "616.8" ILOD-HASH-TABLE)

"Ulceration of vulva, unspecified")

(SETF (GETHASH "616.8" ILOD-HASH-TABLE)

"Ulceration of vulva in diseases classified elsewhere")

(SETF (GETHASH "616.8" ILOD-HASH-TABLE)

"Ulceration of vulva in diseases classified elsewhere")

(SETF (GETHASH "616.8" ILOD-HASH-TABLE)

"Ulceration of vulva in Aiseases of cervix, vagina, and vulva")
                     "Salpingitis and oophoritis not specified as acute, subacute, or chronic") (SETF (GETHASH ""614.3" ICD9-HASH-TABLE)
"Acute parametritis and pelvic cellulitis")
(SETF (GETHASH ""614.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Endometriosis of rectovaginal septum and vagina")
(GETHASH "617.5" ICD9-HASH-TABLE) "Endometriosis of intestine")
(GETHASH "617.6" ICD9-HASH-TABLE) "Endometriosis in scar of skin")
(GETHASH "617.8" ICD9-HASH-TABLE) "Endometriosis in scar of skin")
"Endometriosis of other specified sites")
(GETHASH "617.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF (GETHASH "617." ICD9-HASH-TABLE) "Endometriosis of overy")

(SETF (GETHASH "617." ICD9-HASH-TABLE) "Endometriosis of uterus")

(SETF (GETHASH "617." ICD9-HASH-TABLE) "Endometriosis of uterus")

(SETF (GETHASH "617.1" ICD9-HASH-TABLE) "Endometriosis of overy")

(SETF (GETHASH "617.2" ICD9-HASH-TABLE)

"Endometriosis of fallopian tube")

(SETF (GETHASH "617.4" ICD9-HASH-TABLE)

"Endometriosis of pelvic peritoneum")

(SETF (GETHASH "617.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Prolapse of vaginal walls without mention of uterine prolapse")
(GETHASH "'618.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Uterine prolapse without mention of vaginal wall prolapse")
(SETF (GETHASH "618.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Endometriosis, site unspecified")
(GETHASH ""618" ICD9-HASH-TABLE) "Genital prolapse")
(GETHASH ""618.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Inflammatory diseases of uterus, except cervix") (GETHASH "GIS.O" ICD9-KAN-TABLE) "Acute") (GETHASH "615.1" ICD9-HASH-TABLE) "Chronic") (GETHASH "615.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Uterovaginal prolabse, incomplete")
(GETHASH "618.3" ICD9-HASH-TABLE)
"Uterovaginal prolapse, complete")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF (GETHASH '"616.9" ICD9-HASH-TABLE)
(SETF (GETHASH '"614.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
(SETF
(SETF
```

```
"Unspecified noninflanmatory disorder of ovary, fallopian tube, and broad ligament")
(GETHASH '"621" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Other noninflammatory disorders of ovary, fallopian tube, and broad ligament") (SETF (GETHASH ""620.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Noninflammatory disorders of ovary, fallopian tube, and broad ligament") (GETHASH ""620.0" ICD9-HASH-TABLE) "Follicular cyst of ovary") (GETHASH ""620.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF (GETHASH "620.2" ICD9-HASH-TABLE)

(SETF (GETHASH "620.2" ICD9-HASH-TABLE)

"Orbus unspecified ovarian cyst")

(SETF (GETHASH "620.3" ICD9-HASH-TABLE)

"Acquired atrophy of ovary and fallopian tube")

(SETF (GETHASH "620.4" ICD9-HASH-TABLE)

"Porlapse or hernia of ovary and fallopian tube")

(SETF (GETHASH "620.5" ICD9-HASH-TABLE)

"Torsion of ovary, ovarian pedicle, or fallopian tube")

(SETF (GETHASH "620.6" ICD9-HASH-TABLE)

"Broad ligament laceration syndrome")

(SETF (GETHASH "620.7" ICD9-HASH-TABLE)

(SETF (GETHASH "620.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Erosion and ectropion of cervix")
(GETHASH "622.1" ICD9-HASH-TABLE) "Loukoplakia of cervix (uteri)")
(GETHASH "622.3" ICD9-HASH-TABLE) "Loukoplakia of cervix (uteri)")
(GETHASH "622.3" ICD9-HASH-TABLE) "Old laceration of cervix")
                                                                                                                                                      "Vaginal enterocele, congenital or acquired")

(GETHASH "1618.7" ICD9-HASH-TABLE)

"Old laceration of muscles of pelvic floor")

(GETHASH "1618.8" ICD9-HASH-TABLE)

"Other specified genital prolapse")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Endometrial cystic hyperplasia")
(GETHASH "621.4" ICD9-HASH-TABLE) "Hematometra")
(GETHASH "621.6" ICD9-HASH-TABLE) "Intrauterine synechiae")
(GETHASH "621.6" ICD9-HASH-TABLE) "Malposition of uterus")
(GETHASH "621.7" ICD9-HASH-TABLE) "Chronic inversion of uterus")
(GETHASH "621.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               r specified disorders of uterus, not elsewhere classified")
ASH ""621.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Disorders of uterus, not elsewhere classified")
(GETHASH '"621.0" ICD9-HASH-TARLE) "Polyp of corpus uteri")
(GETHASH '"621.1" ICD9-HASH-TARLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Chronic subinvolution of uterus")
(GETHASH '"621.2" ICD9-HASH-TABLE) "Hypertrophy of uterus")
(GETHASH '"621.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Other specified fistulas involving female genital tract") (SETF (GETHASH "619.9" ICO9-HASH-TABLE) "Unspecified fistula involving female genital tract") (SETF (GETHASH "620" ICD9-HASH-TABLE)
                                                                                          "Prolapse of vaginal vault after hysterectomy")
(GETHASH ""618.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                CSTF (GETHASH "G19" ICD9-HASH-TABLE)

(SFF (GETHASH "G19" ICD9-HASH-TABLE)

(SFF (GETHASH "G19.0" ICD9-HASH-TABLE)

(SFF (GETHASH "G19.0" ICD9-HASH-TABLE)

"Uninary-genital tract fistula, female")

(SETF (GETHASH "G19.1" ICD9-HASH-TABLE)

"Digestive-genital tract fistula, female")

(SETF (GETHASH "G19.2" ICD9-HASH-TABLE)

"Genital tract-skin fistula, female")

(SETF (GETHASH "G19.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Noninflammatory disorders of cervix")
(GETHASH "622.0" ICD9-HASH-TABLE)
                          "Uterovaginal prolapse, unspecified")
(SETF (GETHASH "618.5" ICD9-HASH-TABLE)
(SETF (GETHASH '"618.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ecified disorder of uterus")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GETHASH "622" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (GETHASH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
(SETF
                                                                                                                           (SETF
                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
```

```
(SET CGETMASH "G22.4" ICOD-MASH-TABLE) "Incompetence of cervix")

(SET CGETMASH "G22.5" ICOD-MASH-TABLE) "Incompetence of cervix")

(SET CGETMASH "G23.5" ICOD-MASH-TABLE) "Incompetence of cervix")

(SET CGETMASH "G23.6" ICOD-MASH-TABLE) "Incompetence of vagina")

(SET CGETMASH "G23.6" ICOD-MASH-TABLE) "Incompetence of value and perineum")

(SET CGETMASH "G23.6" ICOD-MASH-TABLE) "Incompetence of value and perineum")

(SET CGETMASH "G23.6" ICOD-MASH-TABLE) "Incompetence of value and perineum")

(SET CGETMASH "G23.6" ICOD-MASH-TABLE) "Incompetence of value and perineum")

(SET CGETMASH "G23.6" ICOD-MASH-TABLE) "Incompetence of value and perineum")

(SET CGETMASH "G23.7 ICOD-MASH-TABLE) "Incompetence of value and perineum")

(SET CGETMASH "G23.7 ICOD-MASH-TABLE) "Incompetence of value and perineum")

(SET CGETMASH "G23.7 ICOD-MASH-TABLE) "Incompetence of value and perineum")

(SET CGETMASH "G23.7 ICOD-MASH-TABLE) "
```

```
(SETF (CETHASH "'629.9" ICD9-HASH-TABLE)
"Unspecified disorder of female genital organs")

(SETF (CETHASH "'629.9" ICD9-HASH-TABLE)
"Unspecified disorder of female genital organs")

(SETF (CETHASH "'630" ICD9-HASH-TABLE) "Hydatidiform mole")

(SETF (CETHASH "'631" ICD9-HASH-TABLE) ""Hysed abortion")

(SETF (CETHASH "'632" ICD9-HASH-TABLE) "Hysed abortion")

(SETF (CETHASH "'633.0" ICD9-HASH-TABLE) "Tubal pregnancy")

(SETF (CETHASH "'633.0" ICD9-HASH-TABLE) "Tubal pregnancy")

(SETF (CETHASH "'633.0" ICD9-HASH-TABLE) "Ovarian pregnancy")

(SETF (CETHASH "'633.8" ICD9-HASH-TABLE) "Ovarian pregnancy")

(SETF (CETHASH "'633.8" ICD9-HASH-TABLE) "Ovarian pregnancy")

(SETF (CETHASH "'633.9" ICD9-HASH-TABLE) "Spontaneous abortion")

(SETF (CETHASH "'633.9" ICD9-HASH-TABLE) "Spontaneous abortion")

(SETF (CETHASH "'634.0" ICD9-HASH-TABLE) "Spontaneous abortion")

(SETF (CETHASH "'634.0" ICD9-HASH-TABLE) "Complicated by genital tract and pelvic infection")

(SETF (CETHASH "'634.0" ICD9-HASH-TABLE) "Complicated by genital tract and pelvic infection")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Of pituitary-hypothalamic origin")
(GETHASH "628.2" ICD9-HASH-TABLE" "Of tubal origin")
(GETHASH "628.4" ICD9-HASH-TABLE" "Of uterine origin")
(GETHASH "628.4" ICD9-HASH-TABLE) "Of cervical or vaginal origin")
(GETHASH "628.8" ICD9-HASH-TABLE) "Of other specified origin")
(GETHASH "628.9" ICD9-HASH-TABLE) "Of unspecified origin")
(GETHASH "629.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "With other specified complications")
(GETHASH "634.8" ICD9-HASH-TABLE) "With unspecified complication")
(GETHASH "634.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Complicated by delayed or excessive hemorrhage")

(SETF (GETHASH "634.2" ICD9-HASH-TABLE)

(SEFF (GETHASH "634.4" ICD9-HASH-TABLE)

(SETF (GETHASH "634.4" ICD9-HASH-TABLE)

"Complicated by metabolic disorder")

(SETF (GETHASH "634.6" ICD9-HASH-TABLE)

"Complicated by metabolic disorder")

(SETF (GETHASH "634.6" ICD9-HASH-TABLE) "Complicated by shock")

(SETF (GETHASH "634.6" ICD9-HASH-TABLE) "Complicated by embolism")

(SETF (GETHASH "634.7" ICD9-HASH-TABLE) "Complicated by embolism")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Other specified menopausal and postmenopausal disorders")
(GETHASH "627.9" ICD9-HASH-TABLE)
"Unspecified menopausal and postmenopausal ydisorder")
(GETHASH "628" ICD9-HASH-TABLE) "Infertility, femiale")
(GETHASH "628.0" ICD9-HASH-TABLE) "Associated with anovulation")
(SETF (GETHASH ""626.8" ICD9-HASH-TABLE) "Other")
(SETF (GETHASH ""626.9" ICD9-HASH-TABLE) "Unspecified")
(SETF (GETHASH ""627" ICD9-HASH-TABLE) ""Menopausal and postmenopausal disorders")
(SETF (GETHASH ""627.0" ICD9-HASH-TABLE) "Premenopausal menorrhagia")
(SETF (GETHASH ""627.0" ICD9-HASH-TABLE) "Postmenopausal bleeding")
(SETF (GETHASH ""627.2" ICD9-HASH-TABLE) "Menopausal or female climacteric states")
(SETF (GETHASH ""627.3" ICD9-HASH-TABLE) "Postmenopausal atrophic vaginitis")
(SETF (GETHASH ""627.4" ICD9-HASH-TABLE) "Postmenopausal atrophic vaginitis")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Hematocele, female, not elsewhere classified")
(GETHASH "629.1" ICD9-HASH-TABLE) "Hydrocele, canal of Nuck")
(GETHASH "629.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Without mention of complication")
(SETF (GETHASH "635" ICD9-HASH-TABLE) "Legally induced abortion")
(SETF (GETHASH "635.0" ICD9-HASH-TABLE)
"Complicated by genital tract and pelvic infection")
(SETF (GETHASH "635.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "States associated with artificial menopause")
(GETHASH '"627.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Other disorders of female genital organs")
(SETF (GETHASH "629.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
(SETF
(SETF
(SETF
(SETF
```

"Complicated by delayed or excessive hemorrhage")

```
"Without mention of complication")
(SETF (GETHASH "639" ICD9-HASH-TABLE)
"Complications following abortion and ectopic and molar pregnancies")
(SETF (GETHASH "639.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "With other specified complications")
(GETHASH '"637.8" ICD9-HASH-TABLE) "With unspecified complication")
(GETHASH '"637.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "With other specified complications")
(GETHASH '"638.8" ICD9-MASH-TABLE) "With unspecified complication")
(GETHASH '"638.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                             "With other specified complications")
(GETHASH "635.8" ICD9-HASH-TABLE) "With unspecified complication")
(GETHASH "635.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "With other specified complications")
(GETHASH ""636.8" ICD9-HASH-TABLE) "With unspecified complication")
(GETHASH ""636.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Complicated by delayed or excessive hemorrhage")
(GETHASH "637.2" ICD9-HASH-TABLE)
(GETHASH "637.3" ICD9-HASH-TABLE) "Complicated by damage to pelvic organs or tissues")
(GETHASH "637.4" ICD9-HASH-TABLE) "Complicated by renal failure")
(GETHASH "637.4" ICD9-HASH-TABLE)
                     "Complicated by damage to pelvic organs or tissues")
(GETHASH "635.3" ICD9-HASH-TABLE) "Complicated by renal failure")
(GETHASH "635.4" ICD9-HASH-TABLE)
(GETHASH "635.4" ICD9-HASH-TABLE) "Complicated by metabolic disorder")
(GETHASH "635.6" ICD9-HASH-TABLE) "Complicated by embolism")
(GETHASH "635.6" ICD9-HASH-TABLE) "Complicated by embolism")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF (GETHASH "G36.2" ICD9-HASH-TABLE)
(SETF (GETHASH "G36.2" ICD9-HASH-TABLE)
(SETF (GETHASH "G36.2" ICD9-HASH-TABLE)
(SETF (GETHASH "G36.3" ICD9-HASH-TABLE)
(SETF (GETHASH "G36.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Complicated by damage to pelvic organs or tissues")
(GETHASH "1638.3" ICD9-HASH-TABLE) "Complicated by renal failure")
(GETHASH "1638.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                          "Without mention of complication")
(GETHASH '"636" ICD9-HASH-TABLE) "Illegally induced abortion")
(GETHASH '"636.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Complicated by metabolic disorder")
(GETHASH "1638.5" ICD9-HASH-TABLE) "Complicated by shock")
(GETHASH "1638.6" ICD9-HASH-TABLE) "Complicated by embolism")
(GETHASH "1638.7" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Complicated by metabolic disorder")
(GETHASH "636.S" ICD9-HASH-TABLE) "Complicated by shock")
(GETHASH "636.6" ICD9-HASH-TABLE) "Complicated by embolism")
(GETHASH "636.7" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Complicated by metabolic disorder")
(GETHASH "1637.5" ICD9-HASH-TABLE) "Complicated by shock")
(GETHASH "1637.6" ICD9-HASH-TABLE) "Complicated by embolism")
(GETHASH "1637.7" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Without mention of complication")
(GETHASH "638" ICD9-HASH-TABLE) "Failed attempted abortion")
(GETHASH "638.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Without mention of complication")
(GETHASH "637" ICD9-HASH-TABLE) "Unspecified abortion")
(GETHASH "637.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Complicated by genital tract and pelvic infection") (GETHASH "637.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Complicated by genital tract and pelvic infection")
(GETHASH "638.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                          "Complicated by genital tract and pelvic infection") (SETF (GETHASH ""636.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Complicated by delayed or excessive hemorrhage") (GETHASH ".638.2" ICD9-HASH-TABLE)
(SETF (GETHASH "635.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF (
                                                                                                                                                                                                                                                            (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                      (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
                                                                                                                                             (SETF
(SETF
(SETF
```

```
"Hypertension complicating pregnancy, childbirth, and the puerperium")

(SETF (GETHASH "642.0" ICD9-HASH-TABLE)

(SETF (GETHASH "642.1" ICD9-HASH-TABLE)

(SETF (GETHASH "642.1" ICD9-HASH-TABLE)

"Hypertension secondary to renal disease, complicating pregnancy, childbirth, and the puerperium")

(SETF (GETHASH "642.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Other pre-existing hypertension complicating pregnancy, childbirth, and the puerperium") (GEHASH "642.3" ICD9-HASH-TABLE)
                                                                                                                                  (SETF (GETHASH "639.3" ICD9-HASH-TABLE) "Renal failure")
(SETF (GETHASH "639.3" ICD9-HASH-TABLE) "Metabolic disorders")
(SETF (GETHASH "639.5" ICD9-HASH-TABLE) "Metabolic disorders")
(SETF (GETHASH "639.5" ICD9-HASH-TABLE) "Shock")
(SETF (GETHASH "639.6" ICD9-HASH-TABLE) "Embolism")
(SETF (GETHASH "639.9" ICD9-HASH-TABLE)
"Other specified complications following abortion or ectopic and molar pregnancy")
(SETF (GETHASH "639.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Unspecified hypertension complicating pregnancy, childbirth, or the puerperium") (GETHASH ""643" (TOD-HASH-TABLE) "Excessive vomiting in pregnancy") (GETHASH ""643.0" ICD9-HASH-TABLE) "Mild hyperemesis gravidarum") (GETHASH "GESHASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                  "Unspecified complication following abortion or ectopic and molar pregnancy") (GETHASH ""640" ICD9-HASH-TABLE) "Hemorrhage in early pregnancy") (GETHASH ""640.0" ICD9-HASH-TABLE) "Threatened abortion") (GETHASH ""640.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF (GETHASH "642.5" ICD9-HASH-TABLE) "Severe pre-eclampsia")
(SETF (GETHASH "642.5" ICD9-HASH-TABLE) "Severe pre-eclampsia")
(SETF (GETHASH "642.5" ICD9-HASH-TABLE) "Eclampsia")
(SETF (GETHASH "642.7" ICD9-HASH-TABLE)
"Pre-eclampsia or eclampsia superimposed on pre-existing hypertension")
(SETF (GETHASH "642.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Antepartum hemorrhage, abruptio placentae, and placenta previa") (SETF (GETHASH ""641.0" ICD9-HASH-TABLE)
"Placenta previa without hemorrhage") (SETF (GETHASH ""641.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF (GETHASH "1641.3" ICD9-HASH-TABLE)

(SETF (GETHASH "1641.3" ICD9-HASH-TABLE)

"Antepartum hemorrhage associated with coagulation defects")

(SETF (GETHASH "1641.9" ICD9-HASH-TABLE) "Other antepartum hemorrhage")

(SETF (GETHASH "1641.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Hyperemesis gravidarum with metabolic disturbance")
(GETHASH ""643.2" ICD9-HASH-TABLE) "Late vomiting of pregnancy")
(GETHASH ""643.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (GETHASH "'643.9" ICD9-HASH-TABLE)
"Unspecified vomiting of pregnancy")
(GETHASH "'644" ICD9-HASH-TABLE) "Early or threatened labor")
(GETHASH "'644.1" ICD9-HASH-TABLE) "Threatened premature labor")
(GETHASH "'644.1" ICD9-HASH-TABLE) "Other threatened labor")
(GETHASH "'644.2" ICD9-HASH-TABLE) "Early onset of delivery")
(GETHASH "'646" ICD9-HASH-TABLE) "Prolonged pregnancy")
(GETHASH "'646" ICD9-HASH-TABLE) "Prolonged pregnancy")
(GETHASH "'646" ICD9-HASH-TABLE) "Other complications of pregnancy, not elsewhere classified")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Other specified hemorrhage in early pregnancy") (SETF (GETHASH "640.9" ICD9-HASH-TABLE) "Unspecified hemorrhage in early pregnancy") (SETF (GETHASH "641" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Other vomiting complicating pregnancy")
(GETHASH '"643.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Transient hypertension of pregnancy")
(GETHASH ''642.4" ICD9-HASH-TABLE)
"Genital tract and pelvic infection")
(GETHASH "639.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Unspecified antepartum hemorrhage") (SETF (GETHASH "642" ICD9-HASH-TABLE)
                                                                        "Delayed or excessive hemorrhage") (GETHASH '"639.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Hemorrhage from placenta previa")
(GETHASH '"641.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF (GETHASH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
(SETF
(SETF
(SETF
                                      (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
(SETF
(SETF
```

```
(GETHASH "1647" ICD9-HASH-TABLE)
"Infectious and parasitic conditions in the mother classifiable elsewhere, but complicating pregnancy, childbirth, or the puerperium")
"Infectious and parasitic conditions in the mother classifiable elsewhere, but complicating pregnancy, childbirth, or the puerperium")
(GETHASH "647.0" ICD9-HASH-TABLE) "Gonorrhea")
(GETHASH "647.1" ICD9-HASH-TABLE) "Uther venereal diseases")
(GETHASH "647.3" ICD9-HASH-TABLE) "Malaria")
(GETHASH "647.4" ICD9-HASH-TABLE) "Walaria")
(GETHASH "647.5" ICD9-HASH-TABLE) "Other viral diseases")
(GETHASH "647.6" ICD9-HASH-TABLE) "Other viral diseases")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Other current conditions in the mother classifiable elsewhere, but complicating pregnancy, childbirth, or the the puerperium")
(GETHASH "648.0" ICD9-HASH-TABLE) "Diabetes mellitus")
(GETHASH "648.1" ICD9-HASH-TABLE) "Thyroid dysfunction")
(GETHASH "648.3" ICD9-HASH-TABLE) "Anemia")
(GETHASH "648.3" ICD9-HASH-TABLE) "Mental disorders")
(GETHASH "648.4" ICD9-HASH-TABLE) "Mental disorders")
(GETHASH "648.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Other multiple pregnancy with fetal loss and retention of one or more fetus(es)") (SETF (GETHASH "651.8" ICD9-HASH-TABLE)
(SETF (GETHASH "646.0" ICD9-HASH-TABLE) "Papyraceous fetus")
(SETF (GETHASH "646.1" ICD9-HASH-TABLE)
"Edama or excessive weight gain in pregnancy, without mention of hypertension")
(SETF (GETHASH "646.2" ICD9-HASH-TABLE)
"Unspecified renal disease in pregnancy, without mention of hypertension")
(SETF (GETHASH "646.3" ICD9-HASH-TABLE) "Habitual aborter")
(SETF (GETHASH "646.4" ICD9-HASH-TABLE) "SETF (GETHASH "646.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Quadruplet pregnancy with fetal loss and retention of one or more fetus(es)") (SETF (GETHASH ""651.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (GETHASH '"631.4" ICD9-HASH-TABLE)
"Triplet pregnancy with fetal loss and retention of one or more fetus(es)")
(GETHASH '"631.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                         "Infections of genitourinary tract in pregnancy")
(GETHASH ""646,7" ICD9-HASH-TABLE) "Liver disorders in pregnancy")
(GETHASH ""646,8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Bone and joint disorders of back, pelvis, and lower limbs")
(GETHASH "648.8" ICD9-HASH-TABLE) "Abnormal glucose tolerance")
(GETHASH "648.9" ICD9-HASH-TABLE)
"Other current conditions classifiable elsewhere")
(GETHASH "651" ICD9-HASH-TABLE) "Normal delivery ")
(GETHASH "651" ICD9-HASH-TABLE) "Multiple gestation")
(GETHASH "651.1" ICD9-HASH-TABLE) "Triplet pregnancy")
(GETHASH "651.2" ICD9-HASH-TABLE) "QUadruplet pregnancy")
(GETHASH "651.2" ICD9-HASH-TABLE) "Quadruplet pregnancy")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Twin pregnancy with fetal loss and retention of one fetus")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Other specified infectious and parasitic diseases")
(GETHASH ""647.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Malposition and malpresentation of fetus")
(SETF (GETHASH "652.0" ICD9-HASH-TABLE) "Unstable lie")
(SETF (GETHASH "652.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Other specified complications of pregnancy") (SETF (GETHASH ""646.9" ICD9-HASH-TABLE)
"Unspecified complication of pregnancy")
                                                                                                                                                                                                                                                                                                             'Asymptomatic bacteriuria in pregnancy")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Unspecified infection or infestation")
(GETHASH '"648" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Congenital cardiovascular disorders")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Other specified multiple gestation")
(GETHASH '"651.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                         "Peripheral neuritis in pregnancy")
(GETHASH '"646.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "648.7" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                (SETF (GETHASH '"646.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Unspecified multiple gestation")
(SETF (GETHASH "652" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF (GETHASH "647"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GETHASH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF (GETHASH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                             (SETF
```

```
"Other abnormalities in shape or position of gravid uterus and of neighboring structures") (GETHASH "654.5" ICD9-HASH-TABLE) "Cervical incompetence") (GETHASH "654.6" ICD9-HASH-TABLE)
"Breech or other malpresentation successfully converted to cephalic presentation")
(GETHASH "652.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Other known or suspected fetal abnormality, not elsewhere classified")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Known or suspected fetal abnormality affecting management of mother") (GETHASH ""655.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Other fetal abnormality causing disproportion")
(GETHASH "653.8" ICD9-HASH-TABLE) "Disproportion of other origin")
(GETHASH "653.9" ICD9-HASH-TABLE) "Unspecified disproportion")
(GETHASH "654. ICD9-HASH-TABLE)
"Abnormality of organs and soft tissues of pelvis")
(GETHASH "654.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Major abnormality of bony pelvis, not further specified")
(GETHASH "1653.1" ICD9-HASH-TABLE) "Generally contracted pelvis")
(GETHASH "1653.2" ICD9-HASH-TABLE) "Inhet contraction of pelvis")
(GETHASH "1653.4" ICD9-HASH-TABLE) "Outlet contraction of pelvis")
(GETHASH "1653.4" ICD9-HASH-TABLE) "Fetopelvic disproportion")
(GETHASH "1653.5" ICD9-HASH-TABLE)
"Unusually large fetus causing disproportion")
(GETHASH "1653.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Congenital abnormalities of uterus")
(GETHASH "1654.1" ICD9-HASH-TABLE) "Tumors of body of uterus")
(GETHASH "1654.2" ICD9-HASH-TABLE) "Previous cesarean delivery")
(GETHASH "1654.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Sispected damage to fetus from radiation")
(SETF (GETHASH "655.7" ICD9-HASH-TABLE) "Decreased fetal movements")
(SETF (GETHASH "655.8" ICD9-HASH-TABLE)
                                                                                                                       "Transverse or oblique presentation")
(GETHASH "652.4" ICD9-HASH-TABLE) "Face or brow presentation")
(GETHASH "652.6" ICD9-HASH-TABLE) "High head at term")
(GETHASH "652.6" ICD9-HASH-TABLE)
"Multiple gestation with malpresentation of one fetus or more")
(GETHASH "652.7" ICD9-HASH-TABLE) "Prolapsed arm")
(GETHASH "652.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Hereditary disease in family possibly affecting fetus")
(SETF (GETHASH "655.3" ICD9-HASH-TABLE)
"Suspected damage to fetus from viral disease in the mother")
(SETF (GETHASH "655.4" ICD9-HASH-TABLE)
"Suspected damage to fetus from other disease in the mother")
(SETF (GETHASH "655.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Congenital or acquired abnormality of vulva")
(GETHASH "654.9" ICD9-HASH-TABLE) "Other and unspecified")
(GETHASH "655" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Other congenital or acquired abnormality of cervix") (GETHASH "654.7" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                             "Unspecified malposition or malpresentation")
(GETHASH "653" ICD9-HASH-TABLE) "Disproportion")
(GETHASH "653.0" ICD9-HASH-TABLE)
                                                              "Breech presentation without mention of version")
(GETHASH ""652.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                              "Other specified malposition or malpresentation")
(GETHASH ""652.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Congenital or acquired abnormality of vagina")
(SETF (GETHASH "654.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Central nervous system malformation in fetus")
(GETHASH "655.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Retroverted and incarcerated gravid uterus")
(GETHASH '"654.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Hydrocephalic fetus causing disproportion")
(GETHASH '"653.7" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Suspected damage to fetus from drugs")
(SETF (GETHASH "655.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Chromosomal abnormality in fetus") (GETHASH -"655.2" ICD9-HASH-TABLE)
                                 (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
                                                                                            (SETF
                                                                                                                                                           (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                  (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
```

```
CETF (GETHASH "659.0" ICD9-HASH-TABLE) "Failed mechanical induction")

(SETF (GETHASH "659.0" ICD9-HASH-TABLE) "Failed mechanical induction")

(SETF (GETHASH "659.1" ICD9-HASH-TABLE)

(SETF (GETHASH "659.2" ICD9-HASH-TABLE)

"Maternal pyrexia during labor, unspecified")

(SETF (GETHASH "659.2" ICD9-HASH-TABLE)

"Generalized infection during labor")

(SETF (GETHASH "659.4" ICD9-HASH-TABLE)

"Generalized infection during labor")

(SETF (GETHASH "659.4" ICD9-HASH-TABLE)

"Generalized infection during labor")

(SETF (GETHASH "659.8" ICD9-HASH-TABLE)

(SETF (GETHASH "659.8" ICD9-HASH-TABLE)

(SETF (GETHASH "659.8" ICD9-HASH-TABLE)

(SETF (GETHASH "659.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Other specified indications for care or intervention related to labor and delivery")
(CETHASH ""659.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Unspecified indication for care or intervention related to labor and delivery") (GETHASH ""660" ICD9-HASH-TABLE) "Obstructed labor") (GETHASH ""660.0" ICD9-HASH-TABLE)
                                                                  (SETF (GETHASH "1656.0" ICD9-HASH-TABLE) "Fetal-maternal hemorrhage")

(SETF (GETHASH "1656.0" ICD9-HASH-TABLE) "Fetal-maternal hemorrhage")

(SETF (GETHASH "1656.1" ICD9-HASH-TABLE) "Retal-maternal hemorrhage")

(SETF (GETHASH "1656.2" ICD9-HASH-TABLE) "Retal distress")

(SETF (GETHASH "1656.3" ICD9-HASH-TABLE) "Fetal distress")

(SETF (GETHASH "1656.3" ICD9-HASH-TABLE) "Foor fetal growth")

(SETF (GETHASH "1656.2" ICD9-HASH-TABLE) "Foor fetal growth")

(SETF (GETHASH "1656.6" ICD9-HASH-TABLE) "Cxcessive fetal growth")

(SETF (GETHASH "1656.6" ICD9-HASH-TABLE) "Other placental conditions")

(SETF (GETHASH "1656.3" ICD9-HASH-TABLE) "Other placental conditions")

(SETF (GETHASH "1656.3" ICD9-HASH-TABLE) "Cxcessive fetal growth")

(SETF (GETHASH "1656.3" ICD9-HASH-TABLE) "Chher placental conditions")

(SETF (GETHASH "1656.3" ICD9-HASH-TABLE) "Chher placental conditions")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Premature rupture of membranes")
(SETF (GETHASH "658.2" ICO9-HASH-TARLE)
(SETF (GETHASH "658.3" ICO9-HASH-TARLE)
(SETF (GETHASH "658.3" ICO9-HASH-TARLE)
"Delayed delivery after artificial rupture of membranes")
(SETF (GETHASH "658.4" ICO9-HASH-TARLE) "Infection of ammiotic cavity")
(SETF (GETHASH "658.9" ICO9-HASH-TARLE) "Infection of ammiotic cavity")
(SETF (GETHASH "658.9" ICO9-HASH-TARLE) "Unspecified")
(SETF (GETHASH "658.9" ICO9-HASH-TARLE) "Unspecified")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Deep transverse arrest and persistent occipitoposterior position") (EFHASH ""660.4" ICD9-HASH-TABLE) "Shoulder (girdle) dystocia") (GETHASH "660.5" ICD9-HASH-TABLE) "Locked twins") (GETHASH "660.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Failed forceps or vacuum extractor, unspecified")
(SETF (GETHASH "1660.8" ICD9-HASH-TABLE)
(SETF (GETHASH "1660.8" ICD9-HASH-TABLE)
(SETF (GETHASH "1660.9" ICD9-HASH-TABLE) "Unspecified obstructed labor")
(SETF (GETHASH "1661." ICD9-HASH-TABLE) "Abnormality of forces of labor")
(SETF (GETHASH "1661.0" ICD9-HASH-TABLE) "Secondary uterine inertia")
(SETF (GETHASH "1661.2" ICD9-HASH-TABLE) "Secondary uterine inertia")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Obstruction caused by malposition of fetus at onset of labor")
(GETHASH "660.1" ICD9-HASH-TABLE) "Obstruction by bony pelvis")
(GETHASH "660.2" ICD9-HASH-TABLE)
"Obstruction by abnormal pelvic soft tissues")
(GETHASH "660.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Other problems associated with amniotic cavity and membranes") (GETHASH ""658.0" ICD9-HASH-TABLE) "Oligohydramnios") (GETHASH ""658.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Unspecified fetal and placental problem")
(GETHASH '"657" ICD9-HASH-TABLE) "Polyhydramnios")
(GETHASH '"658" ICD9-HASH-TABLE)
(SETF (GETHASH ""655.9" ICD9-HASH-TABLE) "Unspecified")
(SETF (GETHASH ""656" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Failed trial of labor, unspecified")
(GETHASH "660.7" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (GETHASH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
```

```
Continguing and unspecified cord entanglement, with compression")

(SETF (GETHASH "663.3" ICD9-HASH-TABLE)

(SETF (GETHASH "663.4" ICD9-HASH-TABLE)

(SETF (GETHASH "663.4" ICD9-HASH-TABLE) "Short cord")

(SETF (GETHASH "663.4" ICD9-HASH-TABLE) "Yasa previa")

(SETF (GETHASH "663.8" ICD9-HASH-TABLE) "Vasa previa")

(SETF (GETHASH "663.8" ICD9-HASH-TABLE) "Vascular lesions of cord")

(SETF (GETHASH "663.8" ICD9-HASH-TABLE)

"Other umbilical cord complications")

(SETF (GETHASH "663.9" ICD9-HASH-TABLE)
"Unspecified umbilical cord complication")

(SETF (GETHASH "664" ICD9-HASH-TABLE)
"Unspecified umbilical cord complication")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF (GETHASH ""664.10")

(SETF (GETHASH ""664.0" ICD9-HASH-TABLE)

"First-degree perinean laceration")

(SETF (GETHASH ""664.1" ICD9-HASH-TABLE)

"Second-degree perinean laceration")

(SETF (GETHASH ""664.3" ICD9-HASH-TABLE)

"Third-degree perinean laceration")

(SETF (GETHASH ""664.3" ICD9-HASH-TABLE)

"Third-degree perinean laceration")

(SETF (GETHASH ""664.3" ICD9-HASH-TABLE)

"Unspecified perinean laceration")

(SETF (GETHASH ""664.9" ICD9-HASH-TABLE)

"Unspecified perinean laceration")

(SETF (GETHASH ""664.9" ICD9-HASH-TABLE)

"Other specified trauma to perineum and vulva")

(SETF (GETHASH ""663.9" ICD9-HASH-TABLE)

"Other specified trauma to perineum and vulva")

(SETF (GETHASH ""663.0" ICD9-HASH-TABLE)

"Unspecified trauma to perineum and vulva")

(SETF (GETHASH ""665.1" ICD9-HASH-TABLE)

"Rupture of uterus before onset of labor")

(SETF (GETHASH ""665.1" ICD9-HASH-TABLE)

"Rupture of uterus aduring labor")

(SETF (GETHASH ""665.4" ICD9-HASH-TABLE)

"Rupture of uterus during labor")

(SETF (GETHASH ""665.3" ICD9-HASH-TABLE)

"SETF (GETHASH ""665.4" ICD9-HASH-TABLE)

"SETF (GETHASH ""665.5" ICD9-HASH-TABLE)

"Damage to pelvic joints and ligaments")

(SETF (GETHASH ""665.7" ICD9-HASH-TABLE)

"Damage to pelvic joints and ligaments")

(SETF (GETHASH ""665.7" ICD9-HASH-TABLE)

"Damage to pelvic joints and ligaments")

(SETF (GETHASH ""665.8" ICD9-HASH-TABLE)

"Damage to pelvic joints and ligaments")
'Other and unspecified uterine inertia")

(SETF (GETHASH "1661.3" ICD9-HASH-TABLE)

(SETF (GETHASH "1661.4" ICD9-HASH-TABLE)

"Hypertonic, incoordinate, or prolonged uterine contractions")

(SETF (GETHASH "1661.9" ICD9-HASH-TABLE)
"Unspecified abnormality of labor")

(SETF (GETHASH "1662.1" ICD9-HASH-TABLE) "Prolonged first stage")

(SETF (GETHASH "1662.1" ICD9-HASH-TABLE) "Prolonged abor, unspecified")

(SETF (GETHASH "1662.1" ICD9-HASH-TABLE) "Prolonged accord stage")

(SETF (GETHASH "1662.2" ICD9-HASH-TABLE) "Prolonged accord stage")

(SETF (GETHASH "1662.3" ICD9-HASH-TABLE) "Prolonged second stage")

(SETF (GETHASH "1663.2" ICD9-HASH-TABLE) "Unbilical cord complications")

(SETF (GETHASH "1663.1" ICD9-HASH-TABLE) "Unbilical cord complications")

(SETF (GETHASH "1663.1" ICD9-HASH-TABLE) "Prolapse of cord")

(SETF (GETHASH "1663.1" ICD9-HASH-TABLE) "ICD9-HASH-TABLE) "ICD9-HASH-TABLE) "GETHASH "1663.1" ICD9-HASH-TABLE) "GETHASH "1663.1" ICD9-HASH-TABLE) "GETHASH "1663.2" 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF (GETHASH "666" ICD9-HASH-TABLE) "Postpartum hemorrhage")
(SETF (GETHASH "666.0" ICD9-HASH-TABLE) "Third-stage hemorrhage")
(SETF (GETHASH "666.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Other immediate postpartum hemorrhage")
(GETHASH ""666.2" ICD9-HASH-TABLE)
"Delayed and secondary postpartum hemorrhage")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Other specified obstetrical trauma")
(GETHASH '"665.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
```

(SETF

```
complications of anesthesia or other sedation in labor and delivery")
5H "668.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF (GETHASH "'669.0" ICD9-HASH-TABLE)

(SETF (GETHASH "'669.0" ICD9-HASH-TABLE)

(SETF (GETHASH "'669.1" ICD9-HASH-TABLE)

(SETF (GETHASH "'669.1" ICD9-HASH-TABLE)

(SETF (GETHASH "'669.1" ICD9-HASH-TABLE)

(SETF (GETHASH "'669.3" ICD9-HASH-TABLE)

(SETF (GETHASH "'669.3" ICD9-HASH-TABLE)

(SETF (GETHASH "'669.3" ICD9-HASH-TABLE)

(SETF (GETHASH "'669.4" ICD9-HASH-TABLE)

(SETF (GETHASH "'669.4" ICD9-HASH-TABLE)

(SETF (GETHASH "'669.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Pyrexia of unknown origin during the puerperium")
(GETHASH "673" ICD9-HASH-TABLE) "Obstetrical pulmonary embolism")
(GETHASH "673.0" ICD9-HASH-TABLE) "Obstetrical air embolism")
(GETHASH "673.1" ICD9-HASH-TABLE) "Amniotic fluid embolism")
(GETHASH "673.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GETHASH ''671.2" ICD9-HASH-TABLE) "Superficial thrombophlebitis")
(GETHASH ''671.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                     "Retained portions of placenta or membranes, without hemorrhage") (SETF (GETHASH ""668" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Deep phlebothrombosis, postpartum")
(GETHASH "671.5" ICD9-HASH-TABLE)
"Other phlebitis and thrombosis")
(GETHASH "671.9" ICD9-HASH-TABLE) "Other venous complications")
(GETHASH "671.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Obstetrical pyemic and septic embolism")
(GETHASH '"673.8" ICD9-HASH-TABLE) "Other pulmonary embolism")
(GETHASH '"674" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Unspecified complication of labor and delivery")
(SETF (GETHASH "1670" ICO9-HASH-TABLE) "Major puerperal infection")
(SETF (GETHASH "1671" ICO9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Venous complications in pregnancy and the puerperium") (GETHASH "671.0" ICD9-HASH-TABLE) "Varicose veins of legs") (GETHASH "671.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Unspecified complication of anesthesia and other sedation")
(SETF (GETHASH ""669" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Cesarean delivery, without mention of indication")
(SETF (GETHASH ""669.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Other complications of labor and delivery") (SETF (GETHASH ""669.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Central nervous system complications") (SETF (GETHASH ""668.8" ICD9-HASH-TABLE)
                                                                                              "Retained placenta without hemorrhage")
(SETF (GETHASH "667.0" ICD9-HASH-TABLE)
                                                                                                                                                                       "Retained placenta without hemorrhage")
(GETHASH '"667.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Varicose veins of vulva and perineum")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Deep phlebothrombosis, antepartum")
(GETHASH '"671.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Unspecified venous complication")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Obstetrical blood-clot embolism")
(GETHASH '"673.3" ICD9-HASH-TABLE)
(SETF (GETHASH '"666.3" ICD9-HASH-TABLE)
                                "Postpartum coagulation defects")
(SETF (GETHASH '"667" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (GETHASH '"672" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF (GETHASH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
(SETF
                                                                                                                                                                                                           (SETF
                                                                                                                                                                                                                                                                                                                                                  (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
```

"Other and unspecified complications of the puerperium, not elsewhere classified")

```
"Other disorders of the breast associated with childbirth and disorders of lactation")
"Other disorders of the breast associated with childbirth and disorders of lactation")
"Other AN "676.0" ICD9-HASH-TABLE) "Cracked nipple")
(GETHASH "676.3" ICD9-HASH-TABLE)
"Other and unspecified disorder of breast")
(GETHASH "676.3" ICD9-HASH-TABLE) "Failure of lactation")
(GETHASH "676.5" ICD9-HASH-TABLE) "Failure of lactation")
(GETHASH "676.5" ICD9-HASH-TABLE) "Suppressed lactation")
(GETHASH "676.6" ICD9-HASH-TABLE) "Galactorrhea")
(GETHASH "676.9" ICD9-HASH-TABLE) "Other disorders of lactation")
                                     "Cerebrovascular disorders in the puerperium")
(GETHASH "674.1" ICD9-HASH-TABLE) "Disruption of cesarean wound")
(GETHASH "674.2" ICD9-HASH-TABLE) "Disruption of perineal wound")
(GETHASH "674.3" ICD9-HASH-TABLE)
"Other complications of obstetrical surgical wounds")
(GETHASH "674.4" ICD9-HASH-TABLE) "Placental polyp")
(GETHASH "674.9" ICD9-HASH-TABLE) "Other")
(GETHASH "674.9" ICD9-HASH-TABLE) "Unspecified")
                                                                                                                                                                                                                                                                                                                                                                                    (GETHASH "6753 LCD9-HASH-TABLE)
"Infections of the breast and nipple associated with childbirth")
(GETHASH "675.0" ICD9-HASH-TABLE) "Infections of nipple")
(GETHASH "675.1" ICD9-HASH-TABLE) "Abscess of breast")
(GETHASH "675.2" ICD9-HASH-TABLE) "Nonpurulent mastitis")
(GETHASH "675.8" ICD9-HASH-TABLE) "Onther specified infections of the breast and nipple")
(GETHASH "675.9" ICD9-HASH-TABLE)
"Other specified infections of the breast and nipple")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Onychia and paronychia of toe")

(GETHASH ""681.9" ICD9-HASH-TABLE)

(GETHASH "682.0" ICD9-HASH-TABLE) "Other cellulitis and abscess")

(GETHASH "682.0" ICD9-HASH-TABLE) "Rece")

(GETHASH "682.1" ICD9-HASH-TABLE) "Neck")

(GETHASH "682.2" ICD9-HASH-TABLE) "Trunk")

(GETHASH "682.3" ICD9-HASH-TABLE) "Upper arm and forearm")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ETF (GETHASH "680" ICD9-HASH-TABLE) "Carbuncle and furuncle")
ETF (GETHASH "680" ICD9-HASH-TABLE) "Face")
ETF (GETHASH "680.1" ICD9-HASH-TABLE) "Tace")
ETF (GETHASH "680.1" ICD9-HASH-TABLE) "Upper arm and forearm")
ETF (GETHASH "680.3" ICD9-HASH-TABLE) "Upper arm and forearm")
ETF (GETHASH "680.3" ICD9-HASH-TABLE) "Upper arm and forearm")
ETF (GETHASH "680.5" ICD9-HASH-TABLE) "Buttock")
ETF (GETHASH "680.6" ICD9-HASH-TABLE) "Buttock")
ETF (GETHASH "680.9" ICD9-HASH-TABLE) "Cother specified sites")
ETF (GETHASH "680.9" ICD9-HASH-TABLE) "Other specified sites")
ETF (GETHASH "680.9" ICD9-HASH-TABLE) "Unspecified site")
ETF (GETHASH "680.9" ICD9-HASH-TABLE) "Unspecified site")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Hand, except fingers and thumb")
(GETHASH "682.5" ICD9-HASH-TABLE) "Buttock")
(GETHASH "682.6" ICD9-HASH-TABLE) "Leg, except foot")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Unspecified infection of the breast and nipple") (GETHASH "676" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TE (GETHASH "681.0" ICD9-HASH-TABLE) "Finger")
TF (GETHASH "681.0" ICD9-HASH-TABLE) "Finger")
TF (GETHASH "681.0" ICD9-HASH-TABLE)
TF (GETHASH "681.01" ICD9-HASH-TABLE)
TF (GETHASH "681.01" ICD9-HASH-TABLE)
TF (GETHASH "681.01" ICD9-HASH-TABLE)
TF (GETHASH "681.1" ICD9-HASH-TABLE)
TF (GETHASH "681.10" ICD9-HASH-TABLE)
TF (GETHASH "681.10" ICD9-HASH-TABLE)
TF (GETHASH "681.10" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Cellulitis and abscess, unspecified")
(GETHASH "681.11" ICD9-HASH-TABLE)
(GETHASH '"674.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
                                                                                         (SETF
(SETF
                                                                                                                                                                                                                                                                   (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
    (SETF
                                                                                                                                                                                   (SETF
```

```
(SETF (GETHASH "692.74" ILO9-HASH-TABLE)

(SETF (GETHASH "692.74" ILO9-HASH-TABLE)

(SETF (GETHASH "692.779" ILO9-HASH-TABLE)

(SETF (GETHASH "692.79" ILO9-HASH-TABLE)

"Other dermatitis due to solar radiation")

(SETF (GETHASH "692.88" ILO9-HASH-TABLE)

(SETF (GETHASH "692.82" ILO9-HASH-TABLE)

(SETF (GETHASH "692.82" ILO9-HASH-TABLE)

(SETF (GETHASH "692.83" ILO9-HASH-TABLE)

(SETF (GETHASH "693" ILO9-HASH-TABLE)

(SETF (GETHASH "693" ILO9-HASH-TABLE)

(SETF (GETHASH "693" ILO9-HASH-TABLE)

"Dermatitis due to substances taken internally")
                                                                                                                                                                                                                                                                                                                                                                                           CETHASH "686.0" ICD9-HASH-TABLE) "Pyoderma")

ETF (CETHASH "686.0" ICD9-HASH-TABLE) "Pyoderma unspecified")

ETF (CETHASH "686.0" ICD9-HASH-TABLE) "Pyoderma unspecified")

ETF (CETHASH "686.01" ICD9-HASH-TABLE) "Pyoderma anargenosum")

ETF (CETHASH "686.01" ICD9-HASH-TABLE) "Pyoderma gangrenosum")

ETF (CETHASH "686.1" ICD9-HASH-TABLE) "Pyoderma gangrenosum")

ETF (CETHASH "686.9" ICD9-HASH-TABLE) "CETHASH "686.9" ICD9-HASH-TABLE) "Erythematosquamous dermatosis")

ETF (CETHASH "690.1" ICD9-HASH-TABLE) "Erythematosquamous dermatosis")

ETF (CETHASH "690.1" ICD9-HASH-TABLE) "Seborrheic dermatitis")

ETF (CETHASH "690.10" ICD9-HASH-TABLE) "Seborrhea capitis")

ETF (CETHASH "690.11" ICD9-HASH-TABLE) "Seborrheic dermatitis")

ETF (CETHASH "690.18" ICD9-HASH-TABLE) "SEF (CETHASH "690.18" ICD9-HASH-TABLE)

ETF (CETHASH "690.18" ICD9-HASH-TABLE) "SEF (CETHASH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Due to other chemical products")

(GETHASH "'692.5" ICD9-HASH-TABLE)

"Due to food in contact with skin")

(GETHASH "'692.7" ICD9-HASH-TABLE) "Due to plants [except food]")

(GETHASH "'692.7" ICD9-HASH-TABLE) "Due to solar radiation")

(GETHASH "'692.7" ICD9-HASH-TABLE) "Due to solar radiation")

"Unspecified dermatitis due to sun")

(GETHASH "'692.7" ICD9-HASH-TABLE) "Sunburn")
(GETHASH "'682.7" ICD9-HASH-TABLE) "foot, except toes")
(GETHASH "'682.8" ICD9-HASH-TABLE) "Unspecified sites")
(GETHASH "'682.9" ICD9-HASH-TABLE) "Unspecified site")
(GETHASH "'684" ICD9-HASH-TABLE) "Acute lymphadenitis")
(GETHASH "'684" ICD9-HASH-TABLE) "Impetigo")
(GETHASH "'688" ICD9-HASH-TABLE) "Impetigo")
(GETHASH "'688.0" ICD9-HASH-TABLE) "With abscess")
(GETHASH "'685.1" ICD9-HASH-TABLE) "With abscess")
(GETHASH "'686.1" ICD9-HASH-TABLE) "Without mention of abscess")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Other atopic dermatitis and related conditions")

(GETHASH "692" ICD9-HASH-TABLE)

"Contact dermatitis and other eczema")

(GETHASH "692.0" ICD9-HASH-TABLE) "Due to detergents")

(GETHASH "692.1" ICD9-HASH-TABLE) "Due to oils and greases")

(GETHASH "692.3" ICD9-HASH-TABLE) "Due to solvents")

(GETHASH "692.3" ICD9-HASH-TABLE)

"Due to derugs and medicines in contact with skin")

(GETHASH "692.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Other erythematosquamous dermatosis")
(SETF (GETHASH "691" ICD9-HASH-TABLE)
**Atopic dermatitis and related conditions")
(SETF (GETHASH "691.0" ICD9-HASH-TABLE) "Diaper or napkin rash")
(SETF (GETHASH "691.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Acute dermatitis due to solar radiation")
(GETHASH ""692.73" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
                  (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
(SETF
(SETF
(SETF
```

```
SET (GETHASH "696.8" ICD9-HASH-TABLE) "Other")

SETE (GETHASH "696.8" ICD9-HASH-TABLE) "Other")

SETE (GETHASH "696.8" ICD9-HASH-TABLE) "Lichen planus")

SETE (GETHASH "697.0" ICD9-HASH-TABLE) "Lichen planus")

SETE (GETHASH "697.1" ICD9-HASH-TABLE) "Lichen nitidus")

SETE (GETHASH "697.1" ICD9-HASH-TABLE) "Lichen nitidus")

SETE (GETHASH "697.9" ICD9-HASH-TABLE) "Lichen, unspecified")

SETE (GETHASH "699.9" ICD9-HASH-TABLE) "Pruritus and related conditions")

SETE (GETHASH "698.1" ICD9-HASH-TABLE) "Pruritus of genital organs")

SETE (GETHASH "698.2" ICD9-HASH-TABLE) "Pruritus of genital organs")

SETE (GETHASH "698.3" ICD9-HASH-TABLE) "Pruritus of genital organs")

SETE (GETHASH "698.3" ICD9-HASH-TABLE) "Pruritus of genital organs")

SETE (GETHASH "698.4" ICD9-HASH-TABLE) "Pruritus of genital organs")

SETE (GETHASH "698.4" ICD9-HASH-TABLE) "Pruritus of genital organs")

SETE (GETHASH "698.4" ICD9-HASH-TABLE) "CETHASH "GESTATA "ICD9-HASH-TABLE) "CETHASH "GESTATA "GESTATA "GESTATA "ICD9-HASH-TABLE) "CETHASH "GESTATA "ICD9-HASH-TABLE "CETHASH "GESTATA "ICD9-HASH-TABLE "CETHASH "GESTATA "ICD9-HA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Unspecified erythematous condition")
(GETHASH ""696" ICD9-HASH-TABLE) "Psoriasis and similar disorders")
(GETHASH ""696.0" ICD9-HASH-TABLE) "Psoriasic arthropathy")
(GETHASH ""696.2" ICD9-HASH-TABLE) "Cther isoriasis")
(GETHASH ""696.2" ICD9-HASH-TABLE) "Parapsoriasis")
(GETHASH ""696.3" ICD9-HASH-TABLE) "Pityriasis rosea")
(GETHASH ""696.5" ICD9-HASH-TABLE) "Pityriasis rubra pilaris")
(GETHASH ""696.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Other specified pruritic conditions")
(GETHASH "1698.9" ICD9-HASH-TABLE) "Unspecified pruritic disorder")
(GETHASH "700" ICD9-HASH-TABLE) "Corns and callosities")
(GETHASH "701" ICD9-HASH-TABLE)
(GETHASH ""693.0" ICD9-HASH-TABLE) "Due to drugs and medicines")
(GETHASH ""693.1" ICD9-HASH-TABLE) "Due to food")
(GETHASH ""693.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Benign mucous membrane pemphigoid")
(GETHASH "664.60" ICD9-HASH-TABLE)
"Without mention of ocular involvement")
(GETHASH "664.61" ICD9-HASH-TABLE) "With ocular involvement")
(GETHASH "664.68" ICD9-HASH-TABLE)
                                                                                                                                                                                                       "Due to unspecified substance taken internally")
(CETHASH "694" ICD9-HASH-TABLE) "Bullous dermatoses")
(GETHASH "694.0" ICD9-HASH-TABLE) "Dermatitis herpetiformis")
(GETHASH "694.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                             "Subcorneal pustular dermatosis")
(GETHASH "1694_2" ICO9-HASH-TABLE)
(GETHASH "1694_3" ICD9-HASH-TABLE) "Impetigo herpetiformis")
(GETHASH "1694_3" ICD9-HASH-TABLE) "Pemphigus")
(GETHASH "1694_5" ICD9-HASH-TABLE) "Pemphigoid")
(GETHASH "1694_6" ICD9-HASH-TABLE) "Pemphigoid")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Unspecified bullous dermatoses")
"Unspecified bullous dermatoses")
(GETHASH "695" ICD9-HASH-TABLE) "Erythematous conditions")
(GETHASH "695.0" ICD9-HASH-TABLE) "Toxic erythema")
(GETHASH "695.1" ICD9-HASH-TABLE) "Erythema multiforme")
(GETHASH "695.2" ICD9-HASH-TABLE) "Erythema nodosum")
(GETHASH "695.3" ICD9-HASH-TABLE) "Rosacca")
(GETHASH "695.4" ICD9-HASH-TABLE) "Lupus erythematosus")
(GETHASH "695.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Other specified erythematous conditions")
(GETHASH ""695.81" ICD9-HASH-TABLE) "Ritter's disease")
(GETHASH ""695.89" ICD9-HASH-TABLE) "Other")
(GETHASH ""695.9" ICD9-HASH-TABLE)
                                                                                                                          "Due to other specified substances taken internally")
(SETF (GETHASH "'693.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Other specified bullous dermatoses")
(GETHASH '"694.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Dermatitis factitia [artefacta]") (SETF (GETHASH '"698.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
                (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                        (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
```

"Other hypertrophic and atrophic conditions of skin") (SETF (GETHASH "701.0" ICD9-HASH-TABLE) "Circumscribed scleroderma")

```
(SETF (CETMASH "701.") IOD9-MASH-TABLE) "Ventodomen, acquired")
(SETF (CETMASH "701.") IOD9-MASH-TABLE) "Serving acanthors in gricans")
(SETF (CETMASH "701.") IOD9-MASH-TABLE) "Serving acanthors in gricans")
(SETF (CETMASH "701.") IOD9-MASH-TABLE) "Serving acanthors in gricans")
(SETF (CETMASH "701.") IOD9-MASH-TABLE) "Serving acanthors in gricans in ground a ground activation of skin")
(SETF (CETMASH "701.") IOD9-MASH-TABLE) "Chebr demantaces")
(SETF (CETMASH "701.") IOD9-MASH-TABLE) "Chebr demantaces")
(SETF (CETMASH "701.") IOD9-MASH-TABLE) "Seborrheic keratosis")
(SETF (CETMASH "702.") IOD9-MASH-TABLE) "Seborrheic keratosis")
(SETF (CETMASH "702.") IOD9-MASH-TABLE) "Other generatoses")
(SETF (CETMASH "703.") IOD9-MASH-TABLE) "Other generatoses")
(SETF (CETMASH "703.") IOD9-MASH-TABLE) "Other generatoses")
(SETF (CETMASH "703.") IOD9-MASH-TABLE) "Other generatoses")
(SETF (CETMASH "704.") IOD9-MASH-TABLE) "And generatoses of nail")
(SETF (CETMASH "704.") IOD9-MASH-TABLE) "And generatoses of nail")
(SETF (CETMASH "704.") IOD9-MASH-TABLE) "Material"
(SETF (CETMASH "705.") IOD9-MASH-TABLE) "Material"
(SETF (CETMASH "705.") IOD9-MASH-TABLE) "Material"
(SETF (CETMASH "705.") IOD9-MASH-TABLE) "Material"
(SETF (CETM
```

```
"Arthropathy associated with infections")
(GETHASH "711.0" ICD9-HASH-TABLE) "Pyogenic arthritis")
(GETHASH "711.1" ICD9-HASH-TABLE)
(GETHASH "711.2" ICD9-HASH-TABLE)
(GETHASH "711.2" ICD9-HASH-TABLE)
"Arthropathy in BehOet's syndrome")
(GETHASH "711.3" ICD9-HASH-TABLE)
"Arthropathy in CD9-HASH-TABLE)
"Arthropathy in ICD9-HASH-TABLE)
"Arthropathy associated with other viral diseases")
(GETHASH "711.6" ICD9-HASH-TABLE)
"Arthropathy associated with other viral diseases")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Arthropathy associated with mycoses")
(GETHASH "711.7" ICD9-HASH-TABLE)
"Arthropathy associated with helminthiasis")
(GETHASH "711.8" ICD9-HASH-TABLE)
"Arthropathy associated with other infectious and parasitic diseases")
(GETHASH "711.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Unspecified disorder of skin and subcutaneous tissue")
(GETHASH "710" ICD9-HASH-TABLE)
(GETHASH "710." ICD9-HASH-TABLE)
(GETHASH "710.0" ICD9-HASH-TABLE) "Systemic lupus erythematosus")
(GETHASH "710.1" ICD9-HASH-TABLE) "Systemic sclerosis")
(GETHASH "710.2" ICD9-HASH-TABLE) "Systemic sclerosis")
(GETHASH "710.2" ICD9-HASH-TABLE) "Sicca syndrome")
(GETHASH "710.4" ICD9-HASH-TABLE) "Polymyositis")
(GETHASH "710.4" ICD9-HASH-TABLE) "Polymyositis")
(GETHASH "710.8" ICD9-HASH-TABLE)
(GETHASH "710.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                            "Other disorders of skin and subcutaneous tissue")
(GETHASH "709.0" ICD9-HASH-TARLE" Dyschromia")
(GETHASH "709.00" ICD9-HASH-TARLE) "Dyschromia, unspecified")
(GETHASH "709.01" ICD9-HASH-TARLE) "Vitiligo")
(GETHASH "709.01" ICD9-HASH-TARLE) "Vitiligo")
(GETHASH "709.1" ICD9-HASH-TARLE) "Vascular disorders of skin")
(GETHASH "709.2" ICD9-HASH-TARLE)
"Scar conditions and fibrosis of skin")
(GETHASH "709.3" ICD9-HASH-TARLE)
(GETHASH "709.4" ICD9-HASH-TARLE)
                                             "Unticaria due to cold and heat")
(GETHASH "708.3" ICD9-HASH-TABLE) "Dermatographic urticaria")
(GETHASH "708.4" ICD9-HASH-TABLE) "Vibratory urticaria")
(GETHASH "708.8" ICD9-HASH-TABLE) "Cholinergic urticaria")
(GETHASH "708.8" ICD9-HASH-TABLE) "Other specified urticaria")
(GETHASH "708.9" ICD9-HASH-TABLE) "Urticaria, unspecified")
ICD9-HASH-TABLE) "Idiopathic urticaria")
ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Unspecified infective arthritis")
(GETHASH "712" ICO9-HASH-TABLE) "Crystal arthropathies")
(GETHASH "712.1" ICO9-HASH-TABLE)
"Chondrocalcinosis due to dicalcium phosphate crystals")
(GETHASH "712.2" ICO9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Foreign body granuloma of skin and subcutaneous tissue")
(GETHASH "709.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Other specified diffuse diseases of connective tissue")
(GETHASH '"710.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Chondrocalcinosis due to pyrophosphate crystals")
(GETHASH ""712.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Unspecified diffuse connective tissue disease")
(GETHASH "711" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Other specified crystal arthropathies")
(GETHASH '"712.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Other specified disorders of skin")
(GETHASH '"709.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Chondrocalcinosis, unspecified")
(GETHASH '"712.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
                                                                               SETT
SETT
SETT
SETT
SETT
SETT
SETT
                                                                                                                                                                                                                                                                        (SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
  (SETF
(SETF
```

"Unspecified crystal arthropathy") (SETF (GETHASH ""713" ICD9-HASH-TABLE)

(SETF

```
"Osteoarthrosis involving, or with mention of more than one site, but not specified as generalized")
(GETHASH "715.9" ICD9-HASH-TABLE)
                                                                                                                 "Arthropathy associated with gasfrointestinal conditions other than infections") (SETF (GETHASH "713.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Osteoarthrosis, localized, primary")
(GETHASH "715.2" ICD9-HASH-TABLE)
"Osteoarthrosis, localized, secondary")
(GETHASH "715.3" ICD9-HASH-TABLE)
"Osteoarthrosis, localized, not specified whether primary or secondary")
(GETHASH "715.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Other general diseases with articular involvement")
(GETHASH "713.8" ICD9-HASH-TABLE)
"Arthropathy associated with other conditions classifiable elsewhere")
(GETHASH "714" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Polyarticular juvenile rheumatoid arthritis, chronic or unspecified")
(GETHASH '"714.31" ICD9-HASH-TABLE)
                                                        "Arthropathy associated withother endocrine and metabolic disorders") (SETF (GETHASH ""713.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Rheumatoid arthritis and other inflammatory polyarthropathies")
(GETHASH "714.0" ICD9-HASH-TABLE) "Rheumatoid arthritis")
(GETHASH "714.1" ICD9-HASH-TABLE) "Felty's syndrome")
(GETHASH "714.2" ICD9-HASH-TABLE)
"Other rheumatoid arthritis with visceral or systemic involvement")
(GETHASH "714.3" ICD9-HASH-TABLE)
"Arthropathy associated with other disorders classified elsewhere")
(GETHASH '"713.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Ogteoarthrosis and allied disorders")
(GETHASH "715.0" ICD9-HASH-TARLE) "Osteoarthrosis, generalized")
(GETHASH "715.1" ICD9-HASH-TARLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Unspecified polyarthropathy or polyarthritis")
(SETF (GETHASH '"716.6" ICD9-HASH-TABLE) "Unspecified monoarthritis")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Osteoarthrosis, unspecified whether generalized or localized")
(GETHASH '"716" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Other and unspecified arthropathies")
(GETHASH "716.0" ICD9-HASH-TABLE) "Kaschin-Beck disease")
(GETHASH "716.1" ICD9-HASH-TABLE) "Traumatic arthropathy")
(GETHASH "716.2" ICD9-HASH-TABLE) "Allergic arthritis")
(GETHASH "716.3" ICD9-HASH-TABLE) "Climacteric arthritis")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GETHASH '"716.4" ICD9-HASH-TABLE) "Transient arthropathy")
(GETHASH '"716.5" ICD9-HASH-ТАВLЕ)
                                                                                                                                                                                                                                                                                                                                                                                                                                            "Arthropathy associated with hypersensitivity reaction")
(GETHASH ""713.7" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Other specified inflammatory polyarthropathies")
(GETHASH "714.8" ICD9-HASH-TABLE) "Rheumatoid lung")
(GETHASH "714.89" ICD9-HASH-TABLE) "Other")
(GETHASH "714.9" ICD9-HASH-TABLE)
                                                                                                                                                                                 "Arthropathy associated withhematological disorders")
(SETF (GETHASH "713.3" ICD9-HASH-TABLE)
"Arthropathy associated withdermatological disorders")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Polyarticular juvenile rheumatoid arthritis, acute")
(GETHASH "714.32" ICD9-HASH-TABLE)
"Pauciarticular juvenile rheumatoid arthritis")
(GETHASH "714.33" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                               "Arthropathy associated with neurological disorders")
(GETHASH "713.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                   "Arthropathy associated with respiratory disorders") (SETF (GETHASH "713.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Monoarticular juvenile rheumatoid arthritis")
(GETHASH "714.4" ICD9-HASH-TABLE)
(Chronic postrheumatic arthropathy")
(GETHASH "714.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Unspecified inflammatory polyarthropathy")
(GETHASH '"715" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Juvenile chronic polyarthritis")
(GETHASH '"714.30" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                     (SETF (GETHASH ""713.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF (GETHASH
                          (SETF (GETHASH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
```

```
(SET CETHASH "718.8" TOD9-HSSH-TABLE)" "Other scending arthrogathy")
(SET CETHASH "718.9" TOD9-HSSH-TABLE)" "Arthropathy unspecifical")
(SET CETHASH "717." TOD9-HSSH-TABLE)" "Internal derangement of knee")
(SET CETHASH "717." TOD9-HSSH-TABLE)" "Internal derangement of knee")
(SET CETHASH "717." TOD9-HSSH-TABLE)"
(SET CETHASH "717.9" TOD9-HSSH-TABLE)
(SET CETHASH "717.9" T
```

"Stiffness of joint, not elsewhere classified") (SETF (GETHASH "719.6" ICD9-HASH-TABLE) "Other symptoms referable to joint")

```
SET GETMASH "719.7" IDG9-MASH-TABLE) "Unspecified disorder of joint")

CEFF (GETMASH "719.7" IDG9-MASH-TABLE)
"Other specified disorder of joint")

SET (GETMASH "720.8" IDG9-MASH-TABLE)
"ANALYDIA "720.9" (1909-MASH-TABLE)
"ANALYDIA "720.9" (1909-MASH-TABLE)
"ANALYDIA "720.0" (1909-
```

```
(SETF (GETHASH "723.7" ICD9-HASH-TABLE)
"Ossification of posterior longitudinal ligament in cervical region")
(SETF (GETHASH "723.8" ICD9-HASH-TABLE)
"Other syndromes affecting cervical region")
(SETF (GETHASH "723.9" ICD9-HASH-TABLE)
"Unspecified musculoskeletal disorders and symptoms referable to neck")
(SETF (GETHASH "724" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF (GETHASH "724.0" ICD9-HASH-TABLE)

(SETF (GETHASH "724.0" ICD9-HASH-TABLE)

(SETF (GETHASH "724.0" ICD9-HASH-TABLE)

"Spinal stenosis, other than cervical")

(SETF (GETHASH "724.0" ICD9-HASH-TABLE) "Thoracic region")

(SETF (GETHASH "724.0" ICD9-HASH-TABLE) "Lumbar region")

(SETF (GETHASH "724.0" ICD9-HASH-TABLE) "Lumbar region")

(SETF (GETHASH "724.1" ICD9-HASH-TABLE) "Dain in thoracic spine")

(SETF (GETHASH "724.2" ICD9-HASH-TABLE) "Lumbago")

(SETF (GETHASH "724.4" ICD9-HASH-TABLE) "Sciatia")

(SETF (GETHASH "724.4" ICD9-HASH-TABLE) "Backache, unspecified")

(SETF (GETHASH "724.5" ICD9-HASH-TABLE) "Backache, unspecified")

(SETF (GETHASH "724.7" ICD9-HASH-TABLE) "Disorders of sacrum")
                                                                                                                                             TIMETURE TECHNISH TASE, ALCOG-HASH-TABLE) "Unspecified region")

ETF (CETHASH "722.70" ICD9-HASH-TABLE) "Unspecified region")

ETF (CETHASH "722.70" ICD9-HASH-TABLE) "Unspecified region")

ETF (CETHASH "722.70" ICD9-HASH-TABLE) "Cortical region")

ETF (CETHASH "722.73" ICD9-HASH-TABLE) "Lumbar region")

ETF (CETHASH "722.80" ICD9-HASH-TABLE) "Unspecified region")

ETF (CETHASH "722.81" ICD9-HASH-TABLE) "Thoracic region")

ETF (CETHASH "722.82" ICD9-HASH-TABLE) "Thoracic region")

ETF (CETHASH "722.93" ICD9-HASH-TABLE) "Lumbar region")

ETF (CETHASH "722.90" ICD9-HASH-TABLE) "Unspecified region")

ETF (CETHASH "722.91" ICD9-HASH-TABLE) "Unspecified region")

ETF (CETHASH "722.92" ICD9-HASH-TABLE) "Thoracic region")

ETF (CETHASH "722.92" ICD9-HASH-TABLE) "Lumbar region")

ETF (CETHASH "722.92" ICD9-HASH-TABLE) "Lumbar region")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF (GETHASH "723.1" ICD9-HASH-TABLE) "Cervicalgia")
(SETF (GETHASH "723.2" ICD9-HASH-TABLE) "Cervicalgia")
(SETF (GETHASH "723.2" ICD9-HASH-TABLE) "Cervicocranial syndrome")
(SETF (GETHASH "723.3" ICD9-HASH-TABLE)
"Cervicobrachial syndrome (diffuse)")
(SETF (GETHASH "723.4" ICD9-HASH-TABLE)
"Brachia neuritis or radiculitis NOS")
(SETF (GETHASH "723.5" ICD9-HASH-TABLE) "Torticollis, unspecified")
(SETF (GETHASH "723.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Unspecified disorder of coccyx")
(GETHASH "724.71" ICD9-HASH-TABLE) "Hypermobility of coccyx")
(GETHASH "724.79" ICD9-HASH-TABLE) "Other")
(GETHASH "724.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (GETHASH '"725" ICD9-HASH-TABLE) "Polymyalgia rheumatica")
(GETHASH '"726" ICD9-HASH-TABLE)
                                                 "Degeneration of intervertebral disc, site unspecified")
(SETF (GETHASH "722.7" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Other disorders of cervical region")
(SETF (GETHASH '"723.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GETHASH "724.70" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Other symptoms referable to back")
(GETHASH '"724.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Other unspecified back disorders"
(SETF (GETHASH '"722.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF (SETF (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
                                                                                                                                                                                                                            CSETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
(SETF
(SETF
(SETF
```

"Peripheral enthesopathies and allied syndromes")

```
SETF (GETHASH "726.1" ICD9-HASH-TABLE)

SETF (GETHASH "726.1" ICD9-HASH-TABLE)

"Rotator cuff syndrome of shoulder and allied disorders")

SETF (GETHASH "726.10" ICD9-HASH-TABLE)
"Disorders of bursae and tendons in shoulder region, unspecified")

SETF (GETHASH "726.10" ICD9-HASH-TABLE)
"Calcifying tendinitis of shoulder")

SETF (GETHASH "726.10" ICD9-HASH-TABLE)
"Cherry "726.10" ICD9-HASH-TABLE) "Bicipital tenosynovitis")

SETF (GETHASH "726.10" ICD9-HASH-TABLE) "Other specified disorders")

SETF (GETHASH "726.3" ICD9-HASH-TABLE) "Enthesopathy of elbow region")

SETF (GETHASH "726.3" ICD9-HASH-TABLE) "Medial epicondylitis")

SETF (GETHASH "726.3" ICD9-HASH-TABLE) "Isteral epicondylitis")

SETF (GETHASH "726.3" ICD9-HASH-TABLE) "Isteral epicondylitis")

SETF (GETHASH "726.33" ICD9-HASH-TABLE) "Other "Discranon bursitis")

SETF (GETHASH "726.33" ICD9-HASH-TABLE) "Other")

SETF (GETHASH "726.39" ICD9-HASH-TABLE) "Chtheropathy of hip region")

SETF (GETHASH "726.6" ICD9-HASH-TABLE) "Enthesopathy of hip region")

SETF (GETHASH "726.6" ICD9-HASH-TABLE) "Enthesopathy of knee")

"GETHASH "726.6" ICD9-HASH-TABLE) "Enthesopathy of knee")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ciant cell tumor of tendon sheath")

(SETF (GETHASH "727.03" ICD9-HASH-TABLE) "Trigger finger (acquired)")

(SETF (GETHASH "727.04" ICD9-HASH-TABLE) "Radial styloid tenosynovitis")

(SETF (GETHASH "727.04" ICD9-HASH-TABLE)

"Other tenosynovitis or hand and wrist")

(SETF (GETHASH "727.06" ICD9-HASH-TABLE)

"Tenosynovitis of foot and ankle")

(SETF (GETHASH "727.09" ICD9-HASH-TABLE) "Other")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CSETE (CETHASH "726.72" ICD9-HASH-TABLE) "Tibialis tendinitis")

(SETE (CETHASH "726.72" ICD9-HASH-TABLE) "Tibialis tendinitis")

(SETE (CETHASH "726.73" ICD9-HASH-TABLE) "Calcaneal spur")

(SETE (CETHASH "726.8" ICD9-HASH-TABLE) "Other")

(SETE (CETHASH "726.8" ICD9-HASH-TABLE) "Other")

(SETE (CETHASH "726.9" ICD9-HASH-TABLE) "Unspecified enthesopathy")

(SETE (CETHASH "726.90" ICD9-HASH-TABLE)

(SETE (CETHASH "726.90" ICD9-HASH-TABLE)

(SETE (CETHASH "726.90" ICD9-HASH-TABLE)

"Excetosis of unspecified site")

(SETE (CETHASH "727" ICD9-HASH-TABLE)

(SETE (CETHASH "727" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Other disorders of synovium, tendon, and bursa")
(SETF (GETHASH "727.0" ICD9-HASH-TABLE) "Synovitis and tenosynovitis")
(SETF (GETHASH "727.0" ICD9-HASH-TABLE)
"Synovitis and tenosynovitis, unspecified")
(SETF (GETHASH "727.0" ICD9-HASH-TABLE)
"Synovitis and tenosynovitis in diseases classified elsewhere")
(SETF (GETHASH "727.02" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Enthesopathy of knee, unspecified")
(SETE (GETHASH "726.61" ICD9-HASH-TABLE)

"Pes anserinus tendinitis or bursitis")
(SETE (GETHASH "726.62" ICD9-HASH-TABLE)

"Tibial collateral ligament bursitis")
(SETE (GETHASH "726.63" ICD9-HASH-TABLE)

"Fibular collateral ligament bursitis")
(SETE (GETHASH "726.64" ICD9-HASH-TABLE)
(SETE (GETHASH "726.65" ICD9-HASH-TABLE) "Prepatellar bursitis")
(SETE (GETHASH "726.65" ICD9-HASH-TABLE)
(SETE (GETHASH "726.77" ICD9-HASH-TABLE)

"Enthesopathy of ankle and tarsus")
(SETE (GETHASH "726.70" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Enthesopathy of ankle and tarsus, unspecified")
(GETHASH '"726.71" ICD9-HASH-TABLE)
(GETHASH '"726.0" ICD9-HASH-TABLE)
(SETF
                                                                                 (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                    (SETF
                                                                                                                                                                                                                                                                                                                             (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
(SETF
(SETF
```

```
(SETE (CETMASH "7727.1" ICD9-MASH-TABLE) "Buntou")
(SETE (CETMASH "7727.4" ICD9-MASH-TABLE) "Chee bursits")
(SETE (CETMASH "7727.5" ICD9-MASH-TABLE) "Chee bursits")
(SETE (CETMASH "7727.6" ICD9-MASH-TABLE) "Chee bursits")
```

```
"Osteitis deformans and osteopathies associated with other disorders classified elsewhere") (SETF (GETHASH "731.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF (GETHASH "730.8" ICD9-HASH-TABLE)
(SETF (GETHASH "730.8" ICD9-HASH-TABLE)
(SETF (GETHASH "730.9" ICD9-HASH-TABLE)
(SETF (GETHASH "730.9" ICD9-HASH-TABLE) "Unspecified infection of bone")
(SETF (GETHASH "731" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Panniculitis, unspecified site")
(GETHASH "729,31" ICD9-HASH-TABLE) "Hypertrophy of fat pad, knee")
(GETHASH "729,32" ICD9-HASH-TABLE) "Other site")
(GETHASH "729,32" ICD9-HASH-TABLE) "Fasciitis, unspecified")
(GETHASH "729,5" ICD9-HASH-TABLE) "Pain in limb")
(GETHASH "729,6" ICD9-HASH-TABLE)
"Residual foreign body in soft tissue")
(GETHASH "729,8" ICD9-HASH-TABLE)
(GETHASH "728.71" ICD9-HASH-TABLE) "Plantar fascial fibromatosis") (GETHASH "728.79" ICD9-HASH-TABLE) "Other") (GETHASH "728.8" ICD9-HASH-TABLE) "Other disorders of muscle, ligament, and fascia") (GETHASH "728.8" ICD9-HASH-TABLE) "Interstitial myositis") (GETHASH "728.82" ICD9-HASH-TABLE) "Interstitial myositis")
                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Unspecified disorder of muscle, ligament, and fascia")
(GETHASH '"729" ICD9-HASH-TABLE) "Other disorders of soft tissues")
(GETHASH '"729.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Osteomyellis, periostitis, and other infections involving bone") (GETHASH "730.0" ICD9-HASH-TABLE) "Acute osteomyelitis") (GETHASH "730.1" ICD9-HASH-TABLE) "Chronic osteomyelitis") (GETHASH "730.2" ICD9-HASH-TABLE) "Unspecified osteomyelitis") (GETHASH "730.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Neuralgia, neuritis, and radiculitis, unspecified")
(GETHASH "729.3" ICD9-HASH-TABLE) "Panniculitis, unspecified")
(GETHASH "729.30" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                              "Rupture of muscle, nontraumatic")
(GETHASH "728.84" ICD9-HASH-TABLE) "Diastasis of muscle")
(GETHASH "728.85" ICD9-HASH-TABLE) "Spasm of muscle")
(GETHASH "728.86" ICD9-HASH-TABLE) "Necrotizing fasciitis")
(GETHASH "728.89" ICD9-HASH-TABLE) "Other")
(GETHASH "728.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF (GETHASH "731.2" ICD9-HASH-TABLE)

"Ogteitis deformans in diseases classified elsewhere")

(SETF (GETHASH "731.2" ICD9-HASH-TABLE)

(SETF (GETHASH "731.8" ICD9-HASH-TABLE)

"Other bone involvement in diseases classified elsewhere")

(SETF (GETHASH "732" ICD9-HASH-TABLE)

(SETF (GETHASH "732" ICD9-HASH-TABLE)

(SETF (GETHASH "732" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Other musculoskeletal symptoms referable to limbs")
(SETF (GETHASH "729.81" ICD9-HASH-TABLE) "Swelling of limb")
(SETF (GETHASH "729.82" ICD9-HASH-TABLE) "Cramp")
(SETF (GETHASH "729.92" ICD9-HASH-TABLE) "Other")
(SETF (GETHASH "729.9" ICD9-HASH-TABLE)
"Other and unspecified disorders of soft tissue")
(SETF (GETHASH "730" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Osteitis deformans without mention of bone tumor")
(GETHASH ""731.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Periostitis without mention of ostemyelitis")
(SETF (GETHASH ""730.7" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Juvenile osteochondrosis of spine")
(SETF (GETHASH "732.1" ICD9-HASH-TABLE)
"Juvenile osteochondrosis of hip and pelvis")
(SETF (GETHASH "732.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Rheumatism, unspecified and fibrositis")
(GETHASH "729.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Mylagia and myositis, unspecified")
(GETHASH ""729.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                 "Foreign body granuloma of muscle")
(GETHASH ""728.83" ICD9-HASH-TABLE)
                                                                                                                                    (SETF (GETHASH
(SETF (GETHASH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
      (SETF
(SETF
(SETF
                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                (SETF
                                                                                                                                                                                                                                                                                                                                  (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
```

```
(SETE CERMARH "723" ICD9-HASH-TABLE)

(SETE CERMARH "723" ICD9-HASH-TABLE)

(SETE CERMARH "722" ICD9-HASH-TABLE)

(SETE CERMARH "723" ICD9-HASH-TA
```

```
SEIT (GETHASH "735.8" LUD9-HASH-IABLE)
"Unspecified acquired deformities of toe")
"Unspecified acquired deformities of 14mbs")
"Unspecified acquired deformities of 11mbs")
"Unspecified acquired deformities of 11mbs")
"EFT (GETHASH "736.0" ICD9-HASH-TABLE)
"Acquired deformities of foream excluding fingers")
"EFT (GETHASH "736.0" ICD9-HASH-TABLE) "Unspecified deformity")
SETF (GETHASH "736.0" ICD9-HASH-TABLE) "Cubitus varius (acquired)")
SETF (GETHASH "736.0" ICD9-HASH-TABLE) "Club hand (acquired)")
SETF (GETHASH "736.0" ICD9-HASH-TABLE) "Subneneck deformity")
SETF (GETHASH "736.2" ICD9-HASH-TABLE) "Swan-neck deformity")
SETF (GETHASH "736.2" ICD9-HASH-TABLE) "Swan-neck deformity")
SETF (GETHASH "736.2" ICD9-HASH-TABLE) "Cox a vala (acquired)")
SETF (GETHASH "736.3" ICD9-HASH-TABLE) "Other")
SETF (GETHASH "736.3" ICD9-HASH-TABLE) "Cox a vala (acquired)")
SETF (GETHASH "736.3" ICD9-HASH-TABLE) "Other")
(GETHASH "733.92" ICD9-HASH-TABLE) "Chondromalacia")
(GETHASH "733.92" ICD9-HASH-TABLE) "Chther")
(GETHASH "735" ICD9-HASH-TABLE) "Flat foot")
(GETHASH "735" ICD9-HASH-TABLE) "Required deformities of toe")
(GETHASH "735.0" ICD9-HASH-TABLE) "Hallux valjus, (acquired)")
(GETHASH "735.2" ICD9-HASH-TABLE) "Hallux rigidus")
(GETHASH "735.3" ICD9-HASH-TABLE) "Hallux malleus")
(GETHASH "735.4" ICD9-HASH-TABLE) "Other hammer toe (acquired)")
(GETHASH "735.5" ICD9-HASH-TABLE) "Claw toe (acquired)")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Genu valgum or varum (acquired)")
(GETHASH "736.41" ICD9-HASH-TABLE) "Genu valgum (acquired)")
(GETHASH "736.52" ICD9-HASH-TABLE) "Genu varum (acquired)")
(GETHASH "736.6" ICD9-HASH-TABLE)
(GETHASH "736.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF (GETHASH "736.73" ICD9-HASH-TABLE) "Cavus deformity of foot")
(SETF (GETHASH "736.73" ICD9-HASH-TABLE) "Claw foot, acquired")
(SETF (GETHASH "736.74" ICD9-HASH-TABLE) "Claw foot, acquired")
(SETF (GETHASH "736.75" ICD9-HASH-TABLE)
(SETF (GETHASH "736.76" ICD9-HASH-TABLE) "Other calcaneus deformity")
(SETF (GETHASH "736.78" ICD9-HASH-TABLE) "Other")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Other acquired deformities of knee")
(SETF (GETHASH "736.70" ICD9-HASH-TABLE)
"Unspecified deformity of ankle and foot, acquired")
(SETF (GETHASH "736.71" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Unequal leg Tength (acquired)")" (GETHASH "1736.89" IDD9-HASH-TARLE)" (CETHASH "1736.9" ICD9-HASH-TARLE) "Acquired deformity of limb, site unspecified")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Acquired deformities of other parts of limbs")
(SETF (GETHASH "736.81" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Acquired equinovarus deformity") (SETF (GETHASH "736.72" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
       SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                        (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
```

```
(SETF (GETHASH "773.11" ICD9-HASH-TARLE) "Kyphosis due to radiation")
(SETF (GETHASH "773.11" ICD9-HASH-TARLE) "Kyphosis due to radiation")
(SETF (GETHASH "773.12" ICD9-HASH-TARLE) "Kyphosis, postlaminectomy")
(SETF (GETHASH "773.12" ICD9-HASH-TARLE) "Other")
(SETF (GETHASH "773.2" ICD9-HASH-TARLE) "Lordosis (acquired)")
(SETF (GETHASH "773.20" ICD9-HASH-TARLE) "Lordosis, postlaminectomy")
(SETF (GETHASH "773.22" ICD9-HASH-TARLE) "Cherp postsurgical lordosis")
(SETF (GETHASH "773.22" ICD9-HASH-TARLE) "Cherp postsurgical lordosis")
(SETF (GETHASH "773.22" ICD9-HASH-TARLE) "Kyphoscoliosis and scoliosis")
(SETF (GETHASH "773.33" ICD9-HASH-TARLE)

"Scoliosis land kyphoscoliosis], idiopathic")
(SETF (GETHASH "773.33" ICD9-HASH-TARLE)
"Scoliosis land kyphoscoliosis], idiopathic")
(SETF (GETHASH "773.33" ICD9-HASH-TARLE)
"Resolving infantile idiopathic scoliosis")
(SETF (GETHASH "773.33" ICD9-HASH-TARLE)
"Resolving infantile idiopathic scoliosis")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Other acquired deformity of back or spine")
(GETHASH "738.6" LOD9-HASH-TABLE) "Acquired deformity of pelvis")
(GETHASH "738.7" ICD9-HASH-TABLE) "Cauliflower ear")
(GETHASH "738.8" ICD9-HASH-TABLE)
(GETHASH "737" ICD9-HASH-TABLE) "Curvature of spine")
(GETHASH "737.0" ICD9-HASH-TABLE) "Adolescent postural kyphosis")
(GETHASH "737.1" ICD9-HASH-TABLE) "Kyphosis (acquired)")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Progressive infantile idiopathic scoliosis")
(GETHASH "737.38" ICD9-HASH-TABLE) "Scoliosis due to radiation")
(GETHASH "737.34" ICD9-HASH-TABLE) "Thoracogenic scoliosis")
(GETHASH "737.39" ICD9-HASH-TABLE) "Other")
(GETHASH "737.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Other acquired deformity of head",
"Other acquired deformity of head",
(GETHASH "738.10" ICD9-HASH-TABLE) "Yagomatic hyperplasia")
(GETHASH "738.12" ICD9-HASH-TABLE) "Zygomatic hypoplasia")
(GETHASH "738.19" ICD9-HASH-TABLE) "Other specified deformity")
(GETHASH "738.19" ICD9-HASH-TABLE) "Other specified deformity of neck")
(GETHASH "738.19" ICD9-HASH-TABLE) "Acquired deformity of neck")
(GETHASH "738.4" ICD9-HASH-TABLE)
(GETHASH "738.4" ICD9-HASH-TABLE)
(GETHASH "738.4" ICD9-HASH-TABLE) "Acquired spondylolisthesis")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Curvature of spine, unspecified")
"(GETHASH ".737.41" ILO9-HASH-TARLE) "(rophosis")
(GETHASH ".737.42" ILO9-HASH-TARLE) "Lordosis")
(GETHASH ".737.42" ILO9-HASH-TARLE) "Scoliosis")
(GETHASH ".737.8" ILO9-HASH-TARLE) "Other curvatures of spine")
(GETHASH ".737.9" ILO9-HASH-TARLE) "Other curvatures of spine")
"Unspecified curvature of spine")
(GETHASH ".738" ILO9-HASH-TARLE) "Other acquired deformity")
(GETHASH ".738" ILO9-HASH-TARLE) "Acquired deformity of nose")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TICTHASH "739 LUCY-HABNI-MARE Classified")

THE (GETHASH "739.0" ICD9-HASH-TABLE) "Head region")

THE (GETHASH "739.1" ICD9-HASH-TABLE) "Head region")

THE (GETHASH "739.2" ICD9-HASH-TABLE) "Thoracic region")

THE (GETHASH "739.4" ICD9-HASH-TABLE) "Thoracic region")

THE (GETHASH "739.4" ICD9-HASH-TABLE) "Thoracic region")

THE (GETHASH "739.5" ICD9-HASH-TABLE) "Pelvic region")

THE (GETHASH "739.5" ICD9-HASH-TABLE) "Lower extremities")

THE (GETHASH "739.9" ICD9-HASH-TABLE) "Upper extremities")

THE (GETHASH "739.9" ICD9-HASH-TABLE) "Madomen and other")

THE (GETHASH "739.9" ICD9-HASH-TABLE) "Abdomen and other")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Curvature of spine associated with other conditions")
(GETHASH "737.40" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Acquired deformity of other specified site")
(GETHASH "739" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
```

'Anencephalus and similar anomalies")

```
"Coloboma and other anomalies of anterior segment")
"Coloboma and other anomalies of anterior segment")
"Showalies of corneal size and shape")
(SETF (GETHASH "743.42" ICD9-HASH-TABLE)
"Corneal opacities, interfering with vision, congenital")
(SETF (GETHASH "743.43" ICD9-HASH-TABLE)
"Other corneal opacities, congenital")
(SETF (GETHASH "743.44" ICD9-HASH-TABLE)
"Specified anomalies of anterior chamber, chamber angle, and related structures")
(SETF (GETHASH "743.45" ICD9-HASH-TABLE)
"Specified anomalies of anterior chamber, chamber angle, and related structures")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Unspecified anomaly of brain, spinal cord, and nervous system")
ETF (CETHASH "743. ICD9-HASH-TARLE) "Congenital anomalies of eye")
ETF (CETHASH "743.0" ICD9-HASH-TARLE) "Anophthalmos")
ETF (CETHASH "743.0" ICD9-HASH-TARLE)
"Clinical anophthalmos, unspecified")
ETF (CETHASH "743.03" ICD9-HASH-TARLE) "Cryptophthalmos")
ETF (CETHASH "743.03" ICD9-HASH-TARLE) "Cryptophthalmos")
ETF (CETHASH "743.10" ICD9-HASH-TARLE) "Microphthalmos")
ETF (CETHASH "743.10" ICD9-HASH-TARLE) "Shiple microphthalmos")
ETF (CETHASH "743.10" ICD9-HASH-TARLE) "Simple microphthalmos")
ETF (CETHASH "743.11" ICD9-HASH-TARLE) "Simple microphthalmos")
ETF (CETHASH "743.11" ICD9-HASH-TARLE) "Simple microphthalmos")
ETF (CETHASH "743.11" ICD9-HASH-TARLE) "Simple microphthalmos")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Microphthalmos associated with other anomalies of eye and adnexa") (GETHASH "743.20" ICD9-HASH-TABLE) "Buphthalmos, unspecified") (GETHASH "743.21" ICD9-HASH-TABLE) "Simple buphthalmos") (GETHASH "743.21" ICD9-HASH-TABLE) "Simple buphthalmos") "Buphthalmos associated with other ocular anomalies") (GETHASH "743.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ETF (GETHASH "743.30" ICOB-HASH-TABLE)

"Congenital cataract, unspecified")

"Congenital cataract, unspecified")

"Capsular and subcapsular cataract")

"ETF (GETHASH "743.31" ICOB-HASH-TABLE)

"Cortical and zonular cataract"

"ETF (GETHASH "743.33" ICOB-HASH-TABLE)

"ETF (GETHASH "743.34" ICOB-HASH-TABLE)

"ETF (GETHASH "743.35" ICOB-HASH-TABLE) "Congenital aphakia")

"ETF (GETHASH "743.35" ICOB-HASH-TABLE) "Congenital aphakia")

"ETF (GETHASH "743.39" ICOB-HASH-TABLE) "Congenital ectopic lens")

"ETF (GETHASH "743.39" ICOB-HASH-TABLE) "Congenital ectopic lens")

"ETF (GETHASH "743.39" ICOB-HASH-TABLE) "Congenital ectopic lens")

"ETF (GETHASH "743.39" ICOB-HASH-TABLE) "Congenital ectopic lens")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Other congenital anomalies of nervous system")
(GETHASH "742.0" ICD9-HASH-TARLE) "Encephalocele")
(GETHASH "742.1" ICD9-HASH-TARLE) "Microcephalus")
(GETHASH "742.2" ICD9-HASH-TARLE) "Microcephalus")
(GETHASH "742.2" ICD9-HASH-TARLE)
(GETHASH "742.3" ICD9-HASH-TARLE) "Congenital hydrocephalus")
(GETHASH "742.4" ICD9-HASH-TARLE)
(SETF (GETHASH "740.0" ICD9-HASH-TABLE) "Anencephalus")
(SETF (GETHASH "740.1" ICD9-HASH-TABLE) "Craniorachischisis")
(SETF (GETHASH "740.2" ICD9-HASH-TABLE) "Iniencephalus")
(SETF (GETHASH "741.0" ICD9-HASH-TABLE) "Spina bifida")
(SETF (GETHASH "741.0" ICD9-HASH-TABLE) "With hydrocephalus")
(SETF (GETHASH "741.0" ICD9-HASH-TABLE) "With thurt mertion of hydrocephalus")
(SETF (GETHASH "742" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF (GETHASH "742.5" ICD9-HASH-TABLE)
"Other specified anomalies of brain")
(SETF (GETHASH "742.5" ICD9-HASH-TABLE)
(SETF (GETHASH "742.5" ICD9-HASH-TABLE) "Diastematomyelia")
(SETF (GETHASH "742.53" ICD9-HASH-TABLE) "Hydromyelia")
(SETF (GETHASH "742.59" ICD9-HASH-TABLE) "Other")
(SETF (GETHASH "742.8" ICD9-HASH-TABLE) "Other")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Other specified anomalies of nervous system")
(SETF (GETHASH ""742.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF (GETHASH 'SETF 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SSTATE STATE STATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
```

```
(SETF (CETHASH "743.4") (COP-MASH-TARLE)

(CETHASH "743.4") (COP-MASH-TARLE)

(CETHASH "743.4") (COP-MASH-TARLE)

(CETHASH "743.4") (COP-MASH-TARLE)

(CETHASH "743.5" (COP-MASH-TARLE)

(SETF (CETHASH "744.0" (COP-MASH-TARLE)

(SETF (CETHASH "744.2" (COP-MASH-TARLE)

(SETF (CETHASH "744.2" (COP-MASH-TARLE)

(SETF (CETHASH "744.10" (COP-MAS
```

"Branchial cleft cyst or fistula; preauricular sinus")

```
Torrected 743.12 LUD9-HASH-TABLE)

"Corrected transposition of great vessels")

EFF (GETHASH "745.19" ICD9-HASH-TABLE) "Other")

EFF (GETHASH "745.2" ICD9-HASH-TABLE) "Tetralogy of Fallot")

EFF (GETHASH "745.4" ICD9-HASH-TABLE) "Common ventricle")

EFF (GETHASH "745.5" ICD9-HASH-TABLE) "Ventricular septal defect")

EFF (GETHASH "745.6" ICD9-HASH-TABLE) "Forence of the control o
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Other congenital anomalies of heart")
(GETHASH "746.0" ICD9-HASH-TABLE) "Anomalies of pulmonary valve")
(GETHASH "746.00" ICD9-HASH-TABLE)
"Pulmonary valve anomaly, unspecified")
(GETHASH "746.01" ICD9-HASH-TABLE) "Atresia, congenital")
(GETHASH "746.02" ICD9-HASH-TABLE) "Stenosis, congenital")
(GETHASH "746.09" ICD9-HASH-TABLE) "Other")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Bulbus cordis amonalies and anomalies of cardiac septal closure")
(SETF (GETHASH "745.0" ICD9-HASH-TABLE) "Common truncus")
(SETF (GETHASH "745.1" ICD9-HASH-TABLE)
"Transposition of great vessels")
(SETF (GETHASH "745.10" ICD9-HASH-TABLE)
"Complete transposition of great vessels")
(SETF (GETHASH "745.11" ICD9-HASH-TABLE)
"Double outlet right ventricle")
(SETF (GETHASH "745.12" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF (GETHASH "'746.4" ICD9-HASH-TABLE)
"Congenital insufficiency of aortic valve")
(SETF (GETHASH "746.5" ICD9-HASH-TABLE) "Congenital mitral stenosis")
(SETF (GETHASH "746.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                               CSET (GETHASH "744.4" ICD9-HASH-TABLE) "Other")

(SETF (GETHASH "744.4" ICD9-HASH-TABLE) "Other")

(SETF (GETHASH "744.5" ICD9-HASH-TABLE) "Webbing of neck")

(SETF (GETHASH "744.8" ICD9-HASH-TABLE) "Webbing of neck")

(SETF (GETHASH "744.8" ICD9-HASH-TABLE) "Macrocheilia")

(SETF (GETHASH "744.8" ICD9-HASH-TABLE) "Macrocheilia")

(SETF (GETHASH "744.8" ICD9-HASH-TABLE) "Macrostomia")

(SETF (GETHASH "744.88" ICD9-HASH-TABLE) "Macrostomia")

(SETF (GETHASH "744.89" ICD9-HASH-TABLE) "Microstomia")

(SETF (GETHASH "744.89" ICD9-HASH-TABLE) "Microstomia")

(SETF (GETHASH "744.89" ICD9-HASH-TABLE) "Other")

(SETF (GETHASH "744.89" ICD9-HASH-TABLE) "Other")

(SETF (GETHASH "744.89" ICD9-HASH-TABLE)

(SETF (GETHASH "744.89" ICD9-HASH-TABLE)

(SETF (GETHASH "745" ICD9-HASH-TABLE)

(SETF (GETHAS
                                                 "Branchial cleft sinus or fistula")
(GETHASH "744.42" ICD9-HASH-TABLE) "Branchial cleft cyst")
(GETHASH "744.43" ICD9-HASH-TABLE) "Cervical auricle")
(GETHASH "744.46" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Tricuspid atresia and stenosis, congenital")
(GETHASH "746.2" ICD9-HASH-TABLE) "Ebstein's anomaly")
(GETHASH "746.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Congenital stenosis of aortic valve")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF (GETHASH "746.8" ICD9-HASH-TABLE)
"Other specified anomalies of heart")
(SETF (GETHASH '"744.41" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Congenital mitral insufficiency")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF (GETHASH '"746.7" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
                                                                                                               (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
```

```
(SETF (GETHASH "747.5" ICD9-HASH-TABLE)

(SETF (GETHASH "747.5" ICD9-HASH-TABLE)

(SETF (GETHASH "747.6" ICD9-HASH-TABLE) "Upper limb vessel anomaly")

(SETF (GETHASH "747.6" ICD9-HASH-TABLE) "Upper limb vessel anomaly")

(SETF (GETHASH "747.6" ICD9-HASH-TABLE) "Upper limb vessel anomaly")

(SETF (GETHASH "747.6" ICD9-HASH-TABLE)

(SETF (GETHASH "747.6" ICD9-HASH-TABLE)
SETF (GETHASH "746.81" ICD9-HASH-TABLE) "Subaortic stenosis")
SETF (GETHASH "746.82" ICD9-HASH-TABLE) "Cor triatriatum")
SETF (GETHASH "746.83" ICD9-HASH-TABLE)
"Infundibular pulmonic stenosis")
SETF (GETHASH "746.84" ICD9-HASH-TABLE)
"Obstructive anomalies of heart, NEC")
SETF (GETHASH "746.85" ICD9-HASH-TABLE) "Congenital heart block")
SETF (GETHASH "746.87" ICD9-HASH-TABLE) "Congenital heart block")
SETF (GETHASH "746.87" ICD9-HASH-TABLE)
"Malposition of heart and cardiac apex")
SETF (GETHASH "746.89" ICD9-HASH-TABLE) "Other")
SETF (GETHASH "746.89" ICD9-HASH-TABLE) "Unspecified anomaly of heart")
SETF (GETHASH "746.99" ICD9-HASH-TABLE) "Unspecified anomaly of heart")
SETF (GETHASH "747" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Atresia and stenosis of aorta")

(SETF (GETHASH "1747.29" ICD9-HASH-TABLE) "Other")

(SETF (GETHASH "747.4" ICD9-HASH-TABLE) "Anomalies of pulmonary artery")

(SETF (GETHASH "747.4" ICD9-HASH-TABLE) "Anomalies of great veins")

(SETF (GETHASH "747.40" ICD9-HASH-TABLE)

"Anomaly of great veins, unspecified")

(SETF (GETHASH "747.41" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Coarctation of aorta (preductal) (postductal)")

"Carctation of aorta (preductal) (postductal)")

(GETHASH "747.11" ICD9-HASH-TABLE) "Interruption of aortic arch")

(GETHASH "747.20" ICD9-HASH-TABLE) "Other anomalies of aorta")

(GETHASH "747.20" ICD9-HASH-TABLE)

(GETHASH "747.21" ICD9-HASH-TABLE) "Anomalies of aortic arch")

(GETHASH "747.22" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Other congenital anomalies of circulatory system")
(GETHASH "747.0" ICD9-HASH-TABLE) "Patent ductus arteriosus")
(GETHASH "147.1" ICD9-HASH-TABLE) "Coarctation of aorta")
(GETHASH "747.10" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Unspecified anomaly of circulatory system")
(SETF (GETHASH "748" ILO9-HASH-TABLE)
(SETF (GETHASH "748.0" ICD9-HASH-TABLE) "Choqual atresia")
(SETF (GETHASH "748.0" ICD9-HASH-TABLE) "Choanal atresia")
(SETF (GETHASH "748.1" ICD9-HASH-TABLE) "Web of larynx")
(SETF (GETHASH "748.3" ICD9-HASH-TABLE) "Web of larynx")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF (GETHASH "748.4" ICO9-HASH-TABLE) "Congenital cystic lung") (SETF (GETHASH "748.5" ICO9-HASH-TABLE) "Congenital cystic lung") (SETF (GETHASH "748.5" ICO9-HASH-TABLE) "Agenesis, hypoplasia, and dysplasia of lung") (SETF (GETHASH "748.6" ICD9-HASH-TABLE) "Other anomalies of lung")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Other specified anomalies of circulatory system")
(SETF (GETHASH "747.81" ICD9-HASH-TABLE)
"Anomalies of cerebrovascular system")
(SETF (GETHASH "747.82" ICD9-HASH-TABLE) "Spinal vessel anomaly")
(SETF (GETHASH "747.89" ICD9-HASH-TABLE) "Other")
(SETF (GETHASH "747.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Total anomalous pulmonary venous connection")
(SETF (GETHASH "747.42" LTO9-HASH-TABLE)
"Partial anomalous pulmonary venous connection")
(SETF (GETHASH "747.49" LCD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
(SETF
        (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
(SETF
                                                                                                                                                                           (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                        (SETF
(SETF
(SETF
```

```
The CETHASH "749." LUD9-HASH-TABLE) "Cleft palate and cleft lip")

SETF (GETHASH "749" ICD9-HASH-TABLE) "Cleft palate")

SETF (GETHASH "749.00" ICD9-HASH-TABLE) "Cleft palate, unspecified")

SETF (GETHASH "749.00" ICD9-HASH-TABLE) "Unilateral, complete")

SETF (GETHASH "749.02" ICD9-HASH-TABLE) "Unilateral, complete")

SETF (GETHASH "749.03" ICD9-HASH-TABLE) "Bilateral, complete")

SETF (GETHASH "749.03" ICD9-HASH-TABLE) "Bilateral, incomplete")

SETF (GETHASH "749.04" ICD9-HASH-TABLE) "Bilateral, incomplete")

SETF (GETHASH "749.11" ICD9-HASH-TABLE) "Unilateral, complete")

SETF (GETHASH "749.12" ICD9-HASH-TABLE) "Unilateral, complete")

SETF (GETHASH "749.12" ICD9-HASH-TABLE) "Unilateral, incomplete")

SETF (GETHASH "749.12" ICD9-HASH-TABLE) "Unilateral, incomplete")

SETF (GETHASH "749.13" ICD9-HASH-TABLE) "Cleft palate with cleft lip")

SETF (GETHASH "749.20" ICD9-HASH-TABLE) "Unilateral, incomplete")

SETF (GETHASH "749.20" ICD9-HASH-TABLE) "Unilateral, complete")

SETF (GETHASH "749.20" ICD9-HASH-TABLE) "Unilateral, complete")

SETF (GETHASH "749.22" ICD9-HASH-TABLE) "Unilateral, incomplete")

SETF (GETHASH "779.24" ICD9-HASH-TABLE) "Other complete")

SETF (GETHASH "779.25" ICD9-HASH-TABLE) "Other complete")

SETF (GETHASH "7760" ICD9-HASH-TABLE) "Other complete")
(GETHASH "748.60" ICD9-HASH-TABLE) "Anomaly of lung, unspecified") (GETHASH "748.61" ICD9-HASH-TABLE) "Congenital bronchiectasis") (GETHASH "748.69" ICD9-HASH-TABLE) "Other") (GETHASH "748.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Other specified anomalies of mouth and pharynx")
(GETHASH "750.21" ICD9-HASH-TABLE) "Absence of salivary gland")
(GETHASH "750.22" ICD9-HASH-TABLE) "Accessory salivary gland")
(GETHASH "750.22" ICD9-HASH-TABLE) "Atresia, salivary gland")
(GETHASH "750.24" ICD9-HASH-TABLE) "Atresia, salivary gland")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Congenital fistula of salivary gland")
(GETHASH "750.25" ICD9-HASH-TABLE) "Congenital fistula of lip")
(GETHASH "750.26" ICD9-HASH-TABLE)
"Other specified anomalies of mouth")
(GETHASH "750.27" ICD9-HASH-TABLE) "Diverticulum of pharynx")
(GETHASH "750.29" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Other congenital anomalies of upper alimentary tract")
(GETHASH "755.0" ICD9-HASH-TABLE) "Tongue tie")
(GETHASH "755.1" ICD9-HASH-TABLE) "Other anomalies of tongue")
(GETHASH "750.10" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Congenital hypertrophic pyloric stenosis")
(GETHASH '"750.6" ICD9-HASH-TABLE) "Congenital hiatus hernia")
(GETHASH '"750.7" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Other specified anomalies of pharynx")
(GETHASH "750.3" ICD9-HASH-TABLE)
"Tracheoesophageal fistula, esophageal atresia and stenosis")
(GETHASH "750.4" ICD9-HASH-TABLE)
(GETHASH "750.4" ICD9-HASH-TABLE)
(GETHASH "750.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Other specified anomalies of upper alimentary tract") (GETHASH "750.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Congenital adhesions of tongue")
(GETHASH "750.15" ICD9-HASH-TABLE) "Macroglossia")
(GETHASH "750.16" ICD9-HASH-TABLE) "Microglossia")
(GETHASH "750.19" ICD9-HASH-TABLE) "Other")
(GETHASH "750.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                         "Other specified anomalies of respiratory system")
(SETF (GETHASH ""748.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Anomaly of tongue, unspecified")
(GETHASH '"750.11" ICD9-HASH-TABLE) "Aglossia")
(GETHASH '"750.12" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Other specified anomalies of stomach")
(GETHASH '"750.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
                                                                                                                                                                                                                                                                                                                                                             (SET | CET |
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
(SETF
```

"Unspecified anomaly of upper alimentary tract")

```
"Hirschsprung's disease and other congenital functional disorders of colon")
(SETF (GETHASH "751.4" ICD9-HASH-TABLE)
"Anomalies of intestinal fixation")
(SETF (GETHASH "751.5" ICD9-HASH-TABLE) "Other anomalies of intestine")
(SETF (GETHASH "751.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF (GETHASH "752.41" ICD9-HASH-TABLE)

"Brappecified anomaly of cervix, vagina, and external female genitalia")

"Embryonic cyst of cervix, vagina, and external female genitalia")

(SETF (GETHASH "752.42" ICD9-HASH-TABLE) "Imperforate hymen")

(SETF (GETHASH "752.49" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Other anomalies of cervix, vagina, and external female genitalia")
(SETF (GETHASH ""752.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                    "Atresia and stenosis of large intestine, rectum, and anal canal")
(SETF (GETHASH "751.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF (GETHASH "752.10" ICD9-HASH-TABLE)
"Unspecified anomaly of fallopian tubes and broad ligaments")
(SETF (GETHASH "752.11" ICD9-HASH-TABLE)
"Embryonic cyst of fallopian tubes and broad ligaments")
(SETF (GETHASH "752.11" ICD9-HASH-TABLE)
"Embryonic cyst of fallopian tubes and broad ligaments")
(SETF (GETHASH "752.12" ICD9-HASH-TABLE) "Doubling of uterus")
(SETF (GETHASH "752.2" ICD9-HASH-TABLE) "Other anomalies of uterus")
(SETF (GETHASH "752.3" ICD9-HASH-TABLE) "Other anomalies of uterus")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Anomalies of cervix, vagina, and external female genitalia")
(SETF (GETHASH "752.40" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GETHASH "752.61" ICD9-HASH-TABLE) "Hypospadias")
(GETHASH "752.62" ICD9-HASH-TABLED "Epispadias")
(GETHASH "752.63" ICD9-HASH-TABLED "Congenital chordee")
(GETHASH "752.64" ICD9-HASH-TABLED "Micropenis")
(GETHASH "752.64" ICD9-HASH-TABLED "Micropenis")
(GETHASH "752.65" ICD9-HASH-TABLED "Hidden penis")
(GETHASH "752.69" ICD9-HASH-TABLED "Other penile anomalies")
(GETHASH "752.7" ICD9-HASH-TABLED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF (GETHASH "751.60" ICD9-HASH-TABLE)
"Unspecified anomaly of gallbladder, bile ducts, and liver")
"Unspecified anomaly of gallbladder, bile ducts, and liver")
(SETF (GETHASH "751.61" ICD9-HASH-TABLE)
"Congenital cystic disease of liver")
(SETF (GETHASH "751.69" ICD9-HASH-TABLE)
"Ongenital cystic disease of liver")
(SETF (GETHASH "751.69" ICD9-HASH-TABLE)
"Other anomalies of gallbladder, bile ducts, and liver")
(SETF (GETHASH "751.7" ICD9-HASH-TABLE)
(SETF (GETHASH "751.8" ICD9-HASH-TABLE)
                                                     "Other congenital anomalies of digestive system")
(GETHASH "751.0" ICD9-HASH-TABLE) "Meckel's diverticulum")
(GETHASH "751.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Congenital anomalies of genital organs")
(SETF (GETHASH "752.0" ICD9-HASH-IABLE) "Anomalies of ovaries")
(SETF (GETHASH "752.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Undescended and retractile testicle")
(GETHASH "772.5" LOD9-MASH-TABLE) "Undescended testis")
(GETHASH "772.5" ICD9-HASH-TABLE) "Retractile testis")
(GETHASH "772.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Hypospadias and epispadias and other penile anomalies")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Other specified anomalies of digestive system")
(SETF (GETHASH "751.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Other specified anomalies of genital organs")
(SETF (GETHASH "752.9" ICD9-HASH-TABLE)
"Unspecified anomaly of genital organs")
(SETF (GETHASH "753" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Indeterminate sex and pseudohermaphroditism")
(SETF (GETHASH ""752.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Unspecified anomaly of digestive system")
(SETF (GETHASH "752" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                     "Atresia and stenosis of small intestine")
(SETF (GETHASH '"751.2" ICD9-HASH-TABLE)
(SETF (GETHASH '"751" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SETF (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
(SETF
(SETF
                                                                                                                              (SETF
(SETF
```

```
"Congenital anomalises of urinary system")

(SETE (CETHASH "753.1" ICD9-HASH-TABLE) "Genal agenesis and dysgenesis")

(SETE (CETHASH "753.1" ICD9-HASH-TABLE) "Cystic kidney disease")

(SETE (CETHASH "753.1" ICD9-HASH-TABLE) "Cystic kidney disease")

(SETE (CETHASH "753.1" ICD9-HASH-TABLE) "Congenital single renal cyst")

(SETE (CETHASH "753.1" ICD9-HASH-TABLE) "Congenital single renal cyst")

(SETE (CETHASH "753.1" ICD9-HASH-TABLE) "Congenital single renal cyst")

(SETE (CETHASH "753.1" ICD9-HASH-TABLE) "Readullary cystic kidney")

(SETE (CETHASH "753.2" ICD9-HASH-TABLE) "Readullary sponge kidney")

(SETE (CETHASH "753.2" ICD9-HASH-TABLE) "Readullary cystic kidney")

(SETE (CETHASH "753.2" ICD9-HASH-TABLE) "Readullary cystic kidney")

(SETE (CETHASH "753.2" ICD9-HASH-TABLE) "Readullary cystic kidney")

(SETE (CETHASH "753.3" ICD9-HASH-TABLE) "Readullary cystic kidney")

(SETE (CETHASH "754.3" ICD9-HASH-TABLE) "Readullary cystic
```

```
(SETF (GETHASH "755.26" ICD9-HASH-TABLE)

(CETT (GETHASH "755.26" ICD9-HASH-TABLE)

(SETF (GETHASH "755.26" ICD9-HASH-TABLE)

(SETF (GETHASH "755.27" ICD9-HASH-TABLE)

(SETF (GETHASH "755.28" ICD9-HASH-TABLE)

(SETF (GETHASH "755.28" ICD9-HASH-TABLE)

(SETF (GETHASH "755.28" ICD9-HASH-TABLE)

(SETF (GETHASH "755.28" ICD9-HASH-TABLE)

(SETF (GETHASH "755.29" ICD9-HASH-TABLE)

(SETF (GETHASH "755.29" ICD9-HASH-TABLE)

(SETF (GETHASH "755.3" ICD9-HASH-TABLE)

(SETF (GETHASH "755.3" ICD9-HASH-TABLE)

(SETF (GETHASH "755.3" ICD9-HASH-TABLE)

(SETF (GETHASH "755.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Transverse deficiency of upper limb")

(SETF (GETHASH "755.22" ICD9-HASH-TABLE)

"Longitudinal deficiency, combined, involving humerus, radius, and ulna (complete or incomplete)")

(SETF (GETHASH "755.23" ICD9-HASH-TABLE)

(SETF (GETHASH "755.24" ICD9-HASH-TABLE)

"Longitudinal deficiency, humeral, complete or partial (with or without distal deficiencies, incomplete)")

(SETF (GETHASH "755.25" ICD9-HASH-TABLE)
ETF (CETHASH "754.50" ICD9-HASH-TABLE) "Talipes varus")
EFF (CETHASH "754.51" ICD9-HASH-TABLE) "Matatarsus primus varus")
EFF (CETHASH "754.52" ICD9-HASH-TABLE) "Matatarsus primus varus")
EFF (CETHASH "754.52" ICD9-HASH-TABLE) "Matatarsus varus")
EFF (CETHASH "754.6" ICD9-HASH-TABLE) "Valqus deformities of feet")
EFF (CETHASH "754.6" ICD9-HASH-TABLE) "Valqus deformities of feet")
EFF (CETHASH "754.6" ICD9-HASH-TABLE) "Talipes valqus")
EFF (CETHASH "754.6" ICD9-HASH-TABLE) "Talipes calcaneovalqus")
EFF (CETHASH "754.7" ICD9-HASH-TABLE) "Talipes calcaneovalqus")
EFF (CETHASH "754.7" ICD9-HASH-TABLE) "Talipes, unspecified")
EFF (CETHASH "754.7" ICD9-HASH-TABLE) "Talipes cavus")
EFF (CETHASH "754.7" ICD9-HASH-TABLE) "Talipes cavus")
EFF (CETHASH "754.7" ICD9-HASH-TABLE) "Talipes cavus")
EFF (CETHASH "754.8" ICD9-HASH-TABLE) "Talipes cavus")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Of fingers with fusion of bone")
(SETF (GETHASH "755.13" ICD9-HASH-TABLE)
"Of toes without fusion of bone")
(SETF (GETHASH "755.14" ICD9-HASH-TABLE) "Of toes with fusion of bone")
(SETF (GETHASH "755.14" ICD9-HASH-TABLE)
(SETF (GETHASH "755.2" ICD9-HASH-TABLE)
"Reduction deformities of upper limb")
(SETF (GETHASH "755.20" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Other specified nonceratogenic anomalies")
(GETHASH "754.81" ICD9-HASH-TABLE) "Pectus excavatum")
(GETHASH "754.82" ICD9-HASH-TABLE) "Pectus carinatum")
(GETHASH "754.89" ICD9-HASH-TABLE) "Other")
(GETHASH "755" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Polydactyly, unspecified digits")
(SETF (GETHASH "755.01" ICD9-HASH-TABLE) "Of fingers")
(SETF (GETHASH "755.02" ICD9-HASH-TABLE) "Of toes")
(SETF (GETHASH "755.10" ICD9-HASH-TABLE) "Syndactyly")
(SETF (GETHASH "755.10" ICD9-HASH-TABLE)
(SETF (GETHASH "755.11" ICD9-HASH-TABLE)
(SETF (GETHASH "755.11" ICD9-HASH-TABLE)
(SETF (GETHASH "755.12" ICD9-HASH-TABLE)
(SETF (GETHASH "755.12" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Other congenital anomalies of limbs")
(GETHASH "755.0" ICD9-HASH-TABLE) "Polydactyly")
(GETHASH "755.00" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Unspecified reduction deformity of upper limb") (SETF (GETHASH "755.21" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Unspecified reduction deformity of lower limb") (SETF (GETHASH "755.31" ICD9-HASH-TABLE)
"Transverse deficiency of lower limb")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF (GETHASH "7753.22" ICO9-HASH-TABLE)
"Longitudinal deficiency of lower limb, NEC")
(SETF (GETHASH "755.33" ICO9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Reduction deformities of Tower Timb")
(SETF (GETHASH "755.30" ICD9-HASH-TABLE)
                  (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
(SETF
```

```
"Longitudinal deficiency, combined, involving femur, tibia, and fibula (complete or incomplete)")

(SETF (GETHASH "755.34" ICD9-HASH-TABLE)

(SETF (GETHASH "755.35" ICD9-HASH-TABLE)

"Longitudinal deficiency, tibiofibular, complete or partial (with or without distal deficiencies, incomplete)")

(SETF (GETHASH "755.36" ICD9-HASH-TABLE)

"Longitudinal deficiency, tibia, complete or partial (with or without distal deficiencies, incomplete)")

(SETF (GETHASH "755.37" ICD9-HASH-TABLE)

"Longitudinal deficiency, tibia, complete or partial (with or without distal deficiencies, incomplete)")

(SETF (GETHASH "755.37" ICD9-HASH-TABLE)

"Longitudinal deficiency, tarsals or metatarsals, complete or partial (with or without incomplete phalangeal deficiency)")

(SETF (GETHASH "755.38" ICD9-HASH-TABLE)

"Longitudinal deficiency, tarsals or metatarsals, complete or partial (with or without incomplete phalangeal deficiency)")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   EFF (GETHASH "755.62" ICD9-HASH-TABLE) "Coxa valga, congenital")

EFF (GETHASH "755.62" ICD9-HASH-TABLE) "Coxa vara, congenital")

EFF (GETHASH "755.62" ICD9-HASH-TABLE) "Coxa vara, congenital")

EFF (GETHASH "755.64" ICD9-HASH-TABLE)

EFF (GETHASH "755.64" ICD9-HASH-TABLE)

EFF (GETHASH "755.66" ICD9-HASH-TABLE) "Wacrodactylia of toes")

EFF (GETHASH "755.66" ICD9-HASH-TABLE) "Noher anomalies of toes")

EFF (GETHASH "755.69" ICD9-HASH-TABLE) "Anomalies of foot, NEC")

EFF (GETHASH "755.69" ICD9-HASH-TABLE) "Anomalies of foot, NEC")

EFF (GETHASH "755.89" ICD9-HASH-TABLE) "Anomalies of foot, NEC")

EFF (GETHASH "755.8" ICD9-HASH-TABLE) "Anomalies of foot, NEC")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SETE (GETHASH "755.39" LUD9-HASH-TABLE)

ECTHASH "755.4" ICD9-HASH-TABLE)

EREduction deformities, unspecified limb")

EREDUction deformities, unspecified limb")

EREDUction deformities, unspecified limb")

SETE (GETHASH "755.5" ICD9-HASH-TABLE)

"Unspecified anomally of upper limb, including shoulder girdle")

EGTHASH "755.51" ICD9-HASH-TABLE)

"Congenital deformity of clavicle")

EGTHASH "755.52" ICD9-HASH-TABLE)

"Congenital deformity of clavicle")

EGTHASH "755.53" ICD9-HASH-TABLE)

"Congenital elevation of scapula")

EETE (GETHASH "755.53" ICD9-HASH-TABLE) "Madelung's deformity")

EETE (GETHASH "755.55" ICD9-HASH-TABLE) "Madelung's deformity")

EETE (GETHASH "755.55" ICD9-HASH-TABLE) "Madelung's deformity")

EETE (GETHASH "755.55" ICD9-HASH-TABLE) "Macrodactyly")

EETE (GETHASH "755.55" ICD9-HASH-TABLE) "Macrodactyly"

EETE (GETHASH "755.55" ICD9-HASH-TABLE) "Cheft "Macrodactyly"

EETE (GETHASH "755.55" ICD9-HASH-TABLE) "Macr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Fusion of spine [vertebra], congenital")
(GETHAH "756.16" [CD9-HASH-TABLE] "Kilppel-Feil syndrome")
(GETHAH "756.17" [CD9-HASH-TABLE] "Spina bifida occulta")
(GETHASH "756.19" ICD9-HASH-TABLE) "Other")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Other anomalies of lower limb, including pelvic girdle")
(GETHASH ""755.60" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Anomalies of skull and face bones")
(GETHASH "756.10" ICD9-HASH-TABLE)
"Anomaly of spine, unspecified")
(GETHASH "756.11" ICD9-HASH-TABLE)
"Anomaly of spine, unspecified")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Spondylolysis, lumbosacral region",
(GETHASH "756.12" ICD9-HASH-TABLE) "Spondylolisthesis")
(GETHASH "756.13" ICD9-HASH-TABLE) "Spondylolisthesis")
"Absence of vertebra, congenital")
(GETHASH "756.14" ICD9-HASH-TABLE) "Hemivertebra")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Other specified anomalies of unspecified limb")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Other congenital musculoskeletal anomalies")
(SETF (GETHASH ""756.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF (GETHASH "755.9" ICD9-HASH-TABLE)
"Unspecified anomaly of unspecified limb")
(SETF (GETHASH "756" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Unspecified anomaly of lower limb")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
```

```
SET (CETMAR 1776, 7. IDD-MASH-TABLE) "Cervical rib")

(SET (CETMAR 1776, 7. IDD-MASH-TABLE) "Cervical rib")

(SET (CETMAR 1776, 7. IDD-MASH-TABLE) "Osteophericophy, unspecified")

(SET (CETMAR 1776, 7.7 IDD-MASH-TABLE) "Anomalies of disphrage")

(SET (CETMAR 1777, 7. IDD-MASH-TABLE) "Anomalies of disphrage of di
```

```
"Fetus or newborn affected by material conditions which may be unrelated to present pregnancy") (GETHASH ""760.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Other specified maternal complications of pregnancy affecting fetus or newborn") (SETF (GETHASH ""761.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Unspecified maternal complication of pregnancy affecting fetus or newborn") (SETF (GETHASH "762" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Fetus or newborn affected by maternal complications of pregnancy") (GETHASH "761.0" ICD9-HASH-TABLE) "Incompetent cervix") (GETHASH "761.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Premature rupture of membranes")
(GETHASH "761.2" ICD9-HASH-TABLE) "Oligohydramnios")
(GETHASH "761.3" ICD9-HASH-TABLE) "Polyhydramnios")
(GETHASH "761.4" ICD9-HASH-TABLE) "Ectopic pregnancy")
(GETHASH "761.5" ICD9-HASH-TABLE) "Multiple pregnancy")
(GETHASH "761.6" ICD9-HASH-TABLE) "Maternal death")
(GETHASH "761.7" ICD9-HASH-TABLE) "Malpresentation before labor")
(GETHASH "761.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Whaternal renal and urinary tract diseases")
(GETHASH "760.2" ICD9-HASH-TABLE) "Maternal infections")
(GETHASH "760.3" ICD9-HASH-TABLE)
"Other chronic maternal circulatory and respiratory diseases")
(GETHASH "760.4" ICD9-HASH-TABLE)
"Maternal nutritional disorders")
(GETHASH "760.6" ICD9-HASH-TABLE) "Maternal injury")
(GETHASH "760.6" ICD9-HASH-TABLE) "Maternal injury")
(GETHASH "760.7" ICD9-HASH-TABLE) "Surgical operation on mother")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Noxious influences affecting fetus via placenta or breast milk")
(GETHASH '"760,70" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Other specified maternal conditions affecting fetus or newborn") (SETF (GETHASH '"760.9" ICD9-HASH-TABLE)
                                                                                                           (GETHASH "755.0" ICO9-HASH-TABLE" "Anomalies of spleen")
(GETHASH "755.1" ICO9-HASH-TABLE" "Anomalies of adrenal gland")
(GETHASH "755.2" ICO9-HASH-TABLE")
(GETHASH "755.2" ICO9-HASH-TABLE")
(GETHASH "759.3" ICO9-HASH-TABLE")
(GETHASH "759.4" ICO9-HASH-TABLE" "Conjoined twins")
(GETHASH "759.5" ICO9-HASH-TABLE" "Tuberous sclerosis")
(GETHASH "759.5" ICO9-HASH-TABLE" "Other hamartoses, NEC")
(GETHASH "759.7" ICO9-HASH-TABLE")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Unspecified noxious substance")
(GETHASH "760.71" ICD9-HASH-TABLE) "Narcotion")
(GETHASH "760.72" ICD9-HASH-TABLE) "Narcotion")
(GETHASH "760.73" ICD9-HASH-TABLE) "Hallucinogenic agents")
(GETHASH "760.73" ICD9-HASH-TABLE) "Anti-infectives")
(GETHASH "760.74" ICD9-HASH-TABLE) "Cocaine")
(GETHASH "760.75" ICD9-HASH-TABLE) "Diethylstilbestrol [DES]")
(GETHASH "760.79" ICD9-HASH-TABLE) "Other")
                                                                                                                                                                                                                                                                                                                                                                                 "Multiple congenital anomalies, so described")
(GETHASH "759.8" ICO9-HASH-TABLE) "Other specified anomalies")
(GETHASH "759.81" ICO9-HASH-TABLE) "Prader-Willi syndrome")
(GETHASH "759.82" ICO9-HASH-TABLE) "Marfan syndrome")
(GETHASH "759.83" ICO9-HASH-TABLE) "Fragile X syndrome")
(GETHASH "759.89" ICO9-HASH-TABLE) "Other")
(GETHASH "759.99" ICO9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Unspecified maternal condition affecting fetus or newborn")
                        unspecified chromosome")
                                                                                      Other and unspecified congenital anomalies")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Congenital anomaly, unspecified")
(GETHASH '"760" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Maternal hypertensive disorders")
(GETHASH "760.1" ICD9-HASH-TABLE)
'"758.9" ICD9-HASH-TABLE)
                              "Conditions due to anomaly of uns
(GETHASH '"759" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF (GETHASH '"761" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SETF
SETF
SETF
SETF
SETF
SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
   (SETF
                                                          (SETF
                                                                                                                 (SETF
(SETF
(SETF
                                                                                                                                                                                                                                   (SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                              SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
```

Fetus or newborn affected by complications of placenta, cord, and membranes")

```
(SET GCTMASH "752," I COD9-MASH-TABLE)

(SET G
```

Fetal death from asphyxia or anoxia during labor") GETHASH "768.2" ICD9-HASH-TABLE)

(SETF (GETHASH

```
(SET (CETHASH "7783. TIOD-MASH-TARL)

Fetal distress first noted during labor, in liveborn infant")

(SET (CETHASH "7783. TIOD-MASH-TARL)

Fetal distress first noted during labor, in liveborn infant")

(SET (CETHASH "7784. TIOD-MASH-TARL)

(SET (CETHASH "7784. TIOD-MASH-TARL)

(SET (CETHASH "7784. TIOD-MASH-TARL)

(SET (CETHASH "770. TIOD-MASH-TARL)

(SET (CETHASH "771. TIOD-MAS
```

(SETF (GETHASH "773.1" ICD9-HASH-TABLE)
"Hemolytic disease due to Rh isoimmunization")
(SETF (GETHASH "773.1" ICD9-HASH-TABLE)
"Hemolytic disease due to ABO isoimmunization")
(SETF (GETHASH "773.2" ICD9-HASH-TABLE)
"Hemolytic disease due to other and unspecified isoimmunization")
(SETF (GETHASH "773.3" ICD9-HASH-TABLE)

"Hydrops fetalis due to isoimmunization")

newborn, due to isoimmunization")

"Other specified hemorrhage of fetus or newborn") (GETHASH ""772.9" ICD9-HASH-TABLE)

(SETF

"Unspecified hemorrhage of newborn" (SETF (GETHASH ""773" ICD9-HASH-TABLE) "Hemolytic disease of fetus or newbor (SETF (GETHASH ""773.0" ICD9-HASH-TABLE)

```
(SETF (GETHASH "774.2" LUDY-HANJI-HABLE)

(SETF (GETHASH "774.3" ICD9-HASH-TABLE)

"Neonatal jaundice due to delayed conjugation from other causes")

(SETF (GETHASH "774.3" ICD9-HASH-TABLE)

"Neonatal jaundice due to delayed conjugation, cause unspecified")

(SETF (GETHASH "774.3" ICD9-HASH-TABLE)

"Neonatal jaundice due to delayed conjugation in diseases classified elsewhere")

(SETF (GETHASH "774.3" ICD9-HASH-TABLE)

"Neonatal jaundice due to delayed conjugation in diseases classified elsewhere")

(SETF (GETHASH "774.3" ICD9-HASH-TABLE)

"Perinatal jaundice due to hepatocellular damage")

(SETF (GETHASH "774.5" ICD9-HASH-TABLE)

"Perinatal jaundice from other causes")

(SETF (GETHASH "774.5" ICD9-HASH-TABLE)

"Unspecified fetal and neonatal jaundice")

(SETF (GETHASH "774.5" ICD9-HASH-TABLE)

"Unspecified fetal and neonatal jaundice")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Unspecified endocrine and metabolic disturbances specific to the fetus and newborn")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Endocrine and metabolic disturbances specific to the fetus and newborn") (GETHASH "775.1" ICD9-HASH-TABLE) "Meonatal diabetes mellitus") (GETHASH "775.2" ICD9-HASH-TABLE) "Meonatal myasthenia gravis") (GETHASH "775.3" ICD9-HASH-TABLE) "Neonatal thyrotoxicosis") (GETHASH "775.3" ICD9-HASH-TABLE) "Neonatal thyrotoxicosis") "Hypocalcemia and hypomagnesemia of newborn") (GETHASH "775.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Other specified transient hematological disorders")
(SETF (CETHASH "776.9" ICD9-HASH-TABLE)
"Unspecified hematological disorder specific to fetus or newborn")
(SETF (GETHASH "777" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Other transitory neonatal endocrine and metabolic disturbances") (GETHASH ""775.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Other transient neonatal disorders of coagulation")
(GETHASH "776.4" ICD9-HASH-TABLE) "Polycythemia neonatorum")
(GETHASH "776.2" ICD9-HASH-TABLE) "Congenital anemia")
(GETHASH "776.7" ICD9-HASH-TABLE) "Anemia of prematurity")
                                                                                                    "Late anemia due to isoimmunization")
(GETHASH "774" ICD9-HASH-TABLE) "Other perinatal jaundice")
(GETHASH "774.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Other transitory neonatal electrolyte disturbances")
(SETF (GETHASH "775.6" ICD9-HASH-TABLE) "Neonatal hypoglycemia")
(SETF (GETHASH "775.7" ICD9-HASH-TABLE)
"Late metabolic acidosis of newborn")
(SETF (GETHASH "775.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                   "Perinatal jaundice from hereditary hemolytic anemias")
(GETHASH '"774.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Hemorrhagic disease of newborn")
(SETF (GETHASH "776.1" ICD9-HASH-TABLE)
"Transient neonatal thrombocytopenia")
(SETF (GETHASH "776.2" ICD9-HASH-TABLE)
"Disseminated intravascular coagulation in newborn")
(SETF (GETHASH "776.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                        "Perinatal jaundice from other excessive hemolysis") (GETHASH "774.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               'Hematological disorders of fetus and newborn")
(GETHASH '"776.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Kernicterus not due to isoimmunization")
(GETHASH '"775" ICD9-HASH-TABLE)
                              "Kernicterus due to isoimmunization")
(SETF (GETHASH ""773.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Transient neonatal neutropenia")
(SETF (GETHASH '"776.8" ICD9-HASH-TABLE)
(SETF (GETHASH '"773.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GETHASH '"776" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETHASH
                                                                                                                                                                                                                                                  (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                                                                                                              (SETF
                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
```

"Perinatal disorders of digestive system")
(ECHASH "777.1" ICD9-HASH-TABLE) "Meconium obstruction")
(GETHASH "777.2" ICD9-HASH-TABLE)
"Intestinal obstruction due to inspissated milk")

```
(SETF (GETHASH "T78" ICD9-HASH-TABLE)

"Conditions involving the integument and temperature regulation of fetus and newborn")

(SETF (GETHASH "T78.0" ICD9-HASH-TABLE)

"Widrops fetalis not due to isoimmunization")

(SETF (GETHASH "778.1" ICD9-HASH-TABLE)

(SETF (GETHASH "778.2" ICD9-HASH-TABLE)

(SETF (GETHASH "778.4" ICD9-HASH-TABLE)

(SETF (GETHASH "778.4" ICD9-HASH-TABLE)

(SETF (GETHASH "778.4" ICD9-HASH-TABLE)

(SETF (GETHASH "778.5" ICD9-HASH-TABLE)

(SETF (GETHASH "778.6" ICD9-HASH-TABLE)

(SETF (GETHASH "778.6" ICD9-HASH-TABLE)

(SETF (GETHASH "778.6" ICD9-HASH-TABLE)

(SETF (GETHASH "778.7" ICD9-HASH-TABLE)

(SETF (GETHASH "778.1" ICD9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Other and 11-defined conditions originating in the perinatal period")

(SETF (GETHASH "779.0" ICD9-HASH-TABLE) "Convulsions in newborn")

(SETF (GETHASH "779.2" ICD9-HASH-TABLE) "Convulsions in newborn")

(SETF (GETHASH "779.2" ICD9-HASH-TABLE)

"Creebral depression, coma, and other abnormal cerebral signs")

"CRET (GETHASH "779.3" ICD9-HASH-TABLE) "Feeding problems in newborn")

(SETF (GETHASH "779.3" ICD9-HASH-TABLE)

"Drug reactions and intoxications specific to newborn")

(SETF (GETHASH "779.5" ICD9-HASH-TABLE)

"Drug withdrawal syndrome in newborn")

(SETF (GETHASH "779.6" ICD9-HASH-TABLE)

"Brug withdrawal syndrome in newborn")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Transient alteration of awareness")

ETF (GETHASH "780.02" ICD9-HASH-TABLE) "Persistent vegetative state")

ETF (GETHASH "780.03" ICD9-HASH-TABLE) "Other")

ETF (GETHASH "780.12" ICD9-HASH-TABLE) "Hallucinations")

ETF (GETHASH "780.22" ICD9-HASH-TABLE) "Gonvulsions")

ETF (GETHASH "780.33" ICD9-HASH-TABLE) "Gonvulsions")

ETF (GETHASH "780.33" ICD9-HASH-TABLE) "Gonvulsions")

ETF (GETHASH "780.33" ICD9-HASH-TABLE) "Other convulsions")

ETF (GETHASH "780.30" ICD9-HASH-TABLE) "Sleep disturbances")

ETF (GETHASH "780.50" ICD9-HASH-TABLE) "Sleep disturbances")

ETF (GETHASH "780.53" ICD9-HASH-TABLE) "Sleep disturbances")

ETF (GETHASH "780.53" ICD9-HASH-TABLE) "Other insomnia with sleep apnea")

ETF (GETHASH "780.53" ICD9-HASH-TABLE) "Other insomnia")

ETF (GETHASH "780.53" ICD9-HASH-TABLE) "Hypersomnia with sleep apnea")

ETF (GETHASH "780.53" ICD9-HASH-TABLE) "Hypersomnia with sleep apnea")

ETF (GETHASH "780.54" ICD9-HASH-TABLE) "Other hypersomnia")

ETF (GETHASH "780.54" ICD9-HASH-TABLE) "Other hypersomnia")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF (GETHASH ""779.6" ICO9-MASH-TABLE)
"Termination of pregnancy (fetus)")
(SEFF (GETHASH "779.8" ICO9-MASH-TABLE)
"Other specified conditions originating in the perinatal period")
(SETF (GETHASH "779.9" ICD9-HASH-TABLE)
(GETHASH '"777.3" ICD9-HASH-TABLE)
"Hematemesis and melena due to swallowed maternal blood")
(GETHASH '"777.4" ICD9-HASH-TABLE) "Transitory ileus of newborn")
(GETHASH '"777.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Unspecified condition originating in the perinatal period")
(GETHASH "780." ICD9-HASH-TABLE) "General symptoms")
(GETHASH "780.0" ICD9-HASH-TABLE) "Alteration of consciousness")
(GETHASH "780.01" ICD9-HASH-TABLE) "Coma")
(GETHASH "780.02" ICD9-HASH-TABLE)
                                                                                                                                                                                                        "Necrotizing enterocolitis in fetus or newborn")
(ETHASH ""77.6" ICO9-HASH-TABLE)
(CETHASH "777.8" ICO9-HASH-TABLE)
(CETHASH "777.8" ICO9-HASH-TABLE)
(CETHASH "777.9" ICO9-HASH-TABLE)
(CETHASH "777.9" ICO9-HASH-TABLE)
"Unspecified perinatal disorders of digestive system")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SETF
SETF
SETF
SETF
                                                                                                                                                                                                                                                                                                                                                            (SETF
               (SETF
                                                                                                                                                                                                                                                                  (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
```

```
(SETE (CETHASH "780.58" LOD9-HASH-TABLE)

SETE (CETHASH "780.59" LOD9-HASH-TABLE)

"Opter and unspecified with sleep stages or arousal from sleep")

(SETE (CETHASH "780.59" LOD9-HASH-TABLE)

"Other and unspecified is leep anner."

(SETE (CETHASH "780.6" LOD9-HASH-TABLE)

(SETE (CETHASH "781.0" LOD9-HASH-TABLE)

(SETE (CETHASH "782.0" LOD9-HASH-TABLE)

(SETE (CETH
```

"Voice disturbance, unspecified"

```
(SETF (GETHASH "1785" ICD9-HASH-TABLE)

"Other symptoms involving head and neck")

"Symptoms involving head and neck")

"Symptoms involving cardiovascular system")

(SETF (GETHASH "1785.0" ICD9-HASH-TABLE) "Palpitations")

(SETF (GETHASH "1785.1" ICD9-HASH-TABLE) "Underganesed cardiac murnurs")

(SETF (GETHASH "1785.2" ICD9-HASH-TABLE) "Other abnormal heart sounds")

(SETF (GETHASH "1785.4" ICD9-HASH-TABLE) "Gangrene")

(SETF (GETHASH "1785.5" ICD9-HASH-TABLE) "Gangrene")

(SETF (GETHASH "1785.5" ICD9-HASH-TABLE) "Shock, unspecified")

(SETF (GETHASH "1785.5" ICD9-HASH-TABLE) "Shock, unspecified")

(SETF (GETHASH "1785.5" ICD9-HASH-TABLE) "Cardiogenic shock")

(SETF (GETHASH "1785.5" ICD9-HASH-TABLE) "Other")

(SETF (GETHASH "1785.5" ICD9-HASH-TABLE) "Chept")

(SETF (GETHASH "1785.9" ICD9-HASH-TABLE) "Other")

(SETF (GETHASH "1785.9" ICD9-HASH-TABLE) "Chept")

(SETF (GETHASH "1785.9" ICD9-HASH-TABLE) "Other")

(SETF (GETHASH "1785.9" ICD9-HASH-TABLE) "Chept")

(SETF (GETHASH "1785.9" ICD9-HASH-TABLE) "Chept")

(SETF (GETHASH "1785.9" ICD9-HASH-TABLE) "Chept")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SETF (GETHASH "786.0" ICD9-HASH-TABLE)

"Symptoms involving respiratory system and other chest symptoms")

"Symptoms involving respiratory system and other chest symptoms")

"Dyspea and respiratory abnormalities")

"Dyspea and respiratory abnormalities")

"Respiratory abnormality, unspecified")

"Respiratory abnormality, unspecified")

EETF (GETHASH "786.0" ICD9-HASH-TABLE) "Orthopnea")

EETF (GETHASH "786.0" ICD9-HASH-TABLE) "Orthopnea")

EETF (GETHASH "786.3" ICD9-HASH-TABLE) "Seridor")

EETF (GETHASH "786.3" ICD9-HASH-TABLE) "Hemoptysis")

EETF (GETHASH "786.3" ICD9-HASH-TABLE) "Chest pain")

EETF (GETHASH "786.5" ICD9-HASH-TABLE) "Chest pain")

EETF (GETHASH "786.5" ICD9-HASH-TABLE) "Precordial pain")

EETF (GETHASH "786.5" ICD9-HASH-TABLE) "Prinful respiration")

EETF (GETHASH "786.5" ICD9-HASH-TABLE) "Painful respiration")
(GETHASH "784.41" ICD9-HASH-TABLE) "Aphonia")
(GETHASH "784.40" ICD9-HASH-TABLE) "Other")
(GETHASH "784.5" ICD9-HASH-TABLE) "Other speech disturbance")
(GETHASH "784.6" ICD9-HASH-TABLE) "Other symbolic dysfunction")
(GETHASH "784.60" ICD9-HASH-TABLE)
                                                                                                                                                                              (SETF (GETHASH "784.61" ICD9-HASH-TABLE) "Alexia and dyslexia") (SETF (GETHASH "784.61" ICD9-HASH-TABLE) "Chher") (SETF (GETHASH "784.76" ICD9-HASH-TABLE) "Chher") (SETF (GETHASH "784.76" ICD9-HASH-TABLE) "Epistaxis") (SETF (GETHASH "784.8" ICD9-HASH-TABLE) "Hemorhage from throat") (SETF (GETHASH "784.9" ICD9-HASH-TABLE) "Hemorhage from throat")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Other symptoms involving respiratory system and chest")
(GETHASH "78%" ICD9-HASH-TABLE)
(GETHASH "78%.01" ICD9-HASH-TABLE)
(GETHASH "78%.01" ICD9-HASH-TABLE) "Nausea with vomiting")
(GETHASH "78%.02" ICD9-HASH-TABLE) "Nausea alone")
(GETHASH "78%.13" ICD9-HASH-TABLE) "Vomiting alone")
(GETHASH "78%.13" ICD9-HASH-TABLE) "Heartburn")
(GETHASH "78%.13" ICD9-HASH-TABLE) "Bysphagia")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Flatulence, eructation, and gas pain")
(GETHASH "787.4" ICD9-HASH-TABLE) "Visible peristalsis")
(GETHASH "787.5" ICD9-HASH-TABLE) "Abnormal bowel sounds")
(GETHASH "787.7" ICD9-HASH-TABLE) "Abnormal feces")
(GETHASH "787.9" ICD9-HASH-TABLE)
"Other symptoms involving digestive system")
(GETHASH "787.91" ICD9-HASH-TABLE) "Diarrhea")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Swelling, mass, or lump in chest")
(GETHASH ""786,7" ICD9-HASH-TABLE) "Abnormal chest sounds")
(GETHASH ""786.8" ICD9-HASH-TABLE) "Hiccough")
(GETHASH ""786.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
(SETF
(SETF
(SETF
```

(SETF

```
"Nonspecific elevation oflevels of transaminase or lactic acid dehydrogenase [LDH]") (SETF (GETHASH "790.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TIGHTASH "788.34" ICD9-HASH-TABLE) "Post-void dribbling")
EETE (GETHASH "788.35" ICD9-HASH-TABLE) "Post-void dribbling")
EETE (GETHASH "788.36" ICD9-HASH-TABLE) "Mocturnal enversis")
EETE (GETHASH "788.39" ICD9-HASH-TABLE) "Continuous laakage")
EETE (GETHASH "788.47" ICD9-HASH-TABLE) "Onther urinary incontinence")
EETE (GETHASH "788.47" ICD9-HASH-TABLE) "Urinary frequency")
EETE (GETHASH "788.41" ICD9-HASH-TABLE) "Urinary frequency")
EETE (GETHASH "788.42" ICD9-HASH-TABLE) "Wocturia")
EETE (GETHASH "788.5" ICD9-HASH-TABLE) "Oliguria and anuria")
EETE (GETHASH "788.6" ICD9-HASH-TABLE) "Splitting of urinary stream")
EETE (GETHASH "788.6" ICD9-HASH-TABLE) "Splitting of urinary stream")
EETE (GETHASH "788.6" ICD9-HASH-TABLE) "Splitting of urinary stream")
EETE (GETHASH "788.6" ICD9-HASH-TABLE) "Cother")
EETE (GETHASH "788.9" ICD9-HASH-TABLE) "Urethral discharge")
EETE (GETHASH "788.9" ICD9-HASH-TABLE) "Extravasation of urine")
EETE (GETHASH "788.9" ICD9-HASH-TABLE) "CETHASH "788.9" ICD9-HASH-TABLE)
EETE (GETHASH "788.9" ICD9-HASH-TABLE) "CETHASH "788.9" ICD9-HASH-TABLE)
EETE (GETHASH "788.9" ICD9-HASH-TABLE) "CETHASH "788.9" ICD9-HASH-TABLE)
EETE (GETHASH "788.9" ICD9-HASH-TABLE)
EETE (EETHASH "788.9" ICD9-HASH-
                                                                                                                                                                                                                                                                                                                                                                                 "Retention of urine, unspecified")
(GETHASH "788.21" ICD9-HASH-TABLE) "Incomplete bladder emptying")
(GETHASH "788.29" ICD9-HASH-TABLE)
"Other specified retention of urine")
(GETHASH "788.3" ICD9-HASH-TABLE) "Incontinence of urine")
(GETHASH "788.30" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF (GETHASH "790.1009 on examination of blood")

(SETF (GETHASH "790.0" ICD9-HASH-TABLE)

"Abnormality of red blood cells")

(SETF (GETHASH "790.1" ICD9-HASH-TABLE)

(SETF (GETHASH "790.2" ICD9-HASH-TABLE)

"Abnormal glucose tolerance test")

(SETF (GETHASH "790.3" ICD9-HASH-TABLE)

"Excessive blood level of alcohol")

(SETF (GETHASH "790.4" ICD9-HASH-TABLE)

"Excessive blood level of alcohol")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Uninary incontinence, unspecified")
(GETHASH "788.31" ICD9-HASH-TABLE) "Urge incontinence")
(GETHASH "788.32" ICD9-HASH-TABLE) "Stress incontinence, male")
(GETHASH "788.32" ICD9-HASH-TABLE)
"Mixed incontinence (female) (male)")
(GETHASH "788.34" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOTALLY TOTALY TOTALLY TOTALY TOTALLY TOTALY TOTALY TOTALY TOTALY TOTALY TOTALY TOTALY TOTALY 
(GETHASH "787.99" ICD9-HASH-TABLE) "Other")
(GETHASH "788" ICD9-HASH-TABLE)
"Symptoms involving urinary system")
(GETHASH "788.0" ICD9-HASH-TABLE) "Renal colic")
(GETHASH "788.1" ICD9-HASH-TABLE) "pysuria")
(GETHASH "788.2" ICD9-HASH-TABLE) "Retention of urine")
(GETHASH "788.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Other nonspecific abnormalserum enzyme levels") (SETF (GETHASH ""790.6" ICD9-HASH-TABLE) "Other abnormal blood chemistry")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Other symptoms involving abdomen and pelvis") (SETF (GETHASH ""790" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
(SETF
(SETF
                                                                                                                                                                       (SETF
(SETF
(SETF
(SETF
```

```
SETF (CETMASH ""790, ""1009-HSH-TARLD "Viremia, unspecified")

SETF (CETMASH ""790, ""1009-HSH-TARLD "Viremia, unspecified")

SETF (CETMASH ""790, 97 1009-HSH-TARLD "Viremia, unspecified")

SETF (CETMASH ""790, 97 1009-HSH-TARLD "Viremia, unspecified")

SETF (CETMASH ""790, 97 1009-HSH-TARLD "Unspecified")

SETF (CETMASH ""791, 97 1009-HSH-TARLD "Unspecified")

SETF (CETMASH ""792, 97 1009-HSH
```

```
"Death occurring in less than 24 hours from onset of symptoms, not otherwise explained") (GETHASH "1798.9" ICD9-HASH-TABLE) "Unattended death") (GETHASH "1799" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF (GETHASH "795.1" ICD9-HASH-TABLE)

(SETF (GETHASH "795.1" ICD9-HASH-TABLE)

(SETF (GETHASH "795.2" ICD9-HASH-TABLE)

(SETF (GETHASH "795.2" ICD9-HASH-TABLE)

(SETF (GETHASH "795.3" ICD9-HASH-TABLE)

(SETF (GETHASH "795.4" ICD9-HASH-TABLE)

(SETF (GETHASH "795.4" ICD9-HASH-TABLE)

(SETF (GETHASH "795.5" ICD9-HASH-TABLE)

(SETF (GETHASH "795.5" ICD9-HASH-TABLE)

(SETF (GETHASH "795.5" ICD9-HASH-TABLE)

(SETF (GETHASH "795.6" ICD9-HASH-TABLE)

(SETF (GETHASH "795.6" ICD9-HASH-TABLE)

(SETF (GETHASH "795.6" ICD9-HASH-TABLE)

(SETF (GETHASH "795.7" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Nonspecific serologic evidence of human immunodeficiency virus [HIV]") (GETHASH '"795.79" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Elevated blood pressure reading without diagnosis of hypertension")
(GETHASH ""796.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Senility without mention of psychosis")
(GETHASH "798" ICD9-HASH-TABLE) "Sudden death, cause unknown")
(GETHASH "798.0" ICD9-HASH-TABLE) "Sudden infant death syndrome")
(GETHASH "798.1" ICD9-HASH-TABLE) "Instantaneous death")
(GETHASH "798.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (GETHASH "795" ICO9-HASH-TABLE)
"Nonspecific abnormal histological and immunological findings")
(GETHASH "795.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Other and unspecified nonspecific immunological findings")
(GETHASH "796" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Other endocrine function study")
(GETHASH "794.7" ICO9-HASH-IRABLE) "Basal metabolism")
(GETHASH "794.8" ICO9-HASH-TABLE) "Liver")
(GETHASH "794.9" ICO9-HASH-TABLE) "Other")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Other nonspecific abnormal findings")
(GETHASH "796.0" ICD9-HASH-TABLE)
"Nonspecific abnormal toxicological findings")
(GETHASH "796.1" ICD9-HASH-TABLE) "Abnormal reflex")
(GETHASH "796.2" ICD9-HASH-TABLE)
                                                                                                                                                              "ACTIONS" (797-17) (GETHASH "794.30" ICD9-HASH-TABLE) "Other") (GETHASH "794.2" ICD9-HASH-TABLE) "Dulmonary") (GETHASH "794.3" ICD9-HASH-TABLE) "Cardiovascular") (GETHASH "794.30" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                "Abnormal function study, unspecified")
(GETHASH "794.31" ICD9-HASH-TABLE)
"Abnormal electrocardiogram [EGG] [EKG]")
(GETHASH "794.39" ICD9-HASH-TABLE) "Other")
(GETHASH "794.4" ICD9-HASH-TABLE) "Kidney")
(GETHASH "794.5" ICD9-HASH-TABLE) "Thyroid")
(GETHASH "794.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Nonspecific low blood pressure reading")
(GETHASH "796.4" ICD9-HASH-TABLE)
"Other abnormal clinical findings")
(GETHASH "796.5" ICD9-HASH-TABLE)
"Abnormal finding on artenatal screening")
(GETHASH "796.9" ICD9-HASH-TABLE)
(GETHASH "797" ICD9-HASH-TABLE)
(SETF (GETHASH "794.15" ICD9-HASH-TABLE)
"Abnormal auditory function studies")
(SETF (GETHASH "794.16" ICD9-HASH-TABLE)
"Abnormal vestibular function studies")
(SETF (GETHASH "794.17" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                    (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
(SETF
(SETF
```

(SETF (SETF

```
LEIF (CETHASH "380.2 LLU9-HASH-TABLE) "Nasal bones, closed")
ETF (CETHASH "380.2 LLU9-HASH-TABLE) "Nasal bones, closed")
ETF (CETHASH "380.2 L" ICD9-HASH-TABLE) "Nasal bones, open")
ETF (CETHASH "380.2 L" ICD9-HASH-TABLE) "Unspecified site")
ETF (CETHASH "380.2 L" ICD9-HASH-TABLE) "Unspecified site")
ETF (CETHASH "380.2 L" ICD9-HASH-TABLE) "Condylar process")
ETF (CETHASH "380.2 L" ICD9-HASH-TABLE) "Condylar")
ETF (CETHASH "380.2 L" ICD9-HASH-TABLE) "Angle of jaw")
ETF (CETHASH "380.2 L" ICD9-HASH-TABLE) "Angle of jaw")
ETF (CETHASH "380.2 L" ICD9-HASH-TABLE) "Symphysis of body")
ETF (CETHASH "380.2 L" ICD9-HASH-TABLE) "Somplysis of body")
ETF (CETHASH "380.2 L" ICD9-HASH-TABLE) "Body, other and unspecified")
ETF (CETHASH "380.2 L" ICD9-HASH-TABLE) "Body, other and unspecified")
ETF (CETHASH "380.2 L" ICD9-HASH-TABLE) "Multiple sites")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LICENTARY "800.0" LUD9-HASH-IABLE)

"Closed without mention of intracranial injury")

"Closed with cerebral laceration and contusion")

"Closed with cerebral laceration and contusion")

"Closed with subarachnoid, subdural, and extradural hemorrhage")

"Closed with other and unspecified intracranial hemorrhage")

"Closed with other and unspecified intracranial hemorrhage")

"Closed with other and unspecified intracranial hemorrhage")

"Closed with intracranialinjury of other and unspecified nature")

ETF (GETHASH "800.5" ICD9-HASH-TABLE)

"Closed with intracranialinjury of other and unspecified nature")

ETF (GETHASH "800.6" ICD9-HASH-TABLE)

"Open without mention of intracranial injury")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF (GETHASH "800.7" ICD9-HASH-TABLE)

(SETF (GETHASH "800.7" ICD9-HASH-TABLE)

"Open with subarachnoid, subdural, and extradural hemorrhage")

(SETF (GETHASH "800.8" ICD9-HASH-TABLE)

"Open with other and unspecified intracranial hemorrhage")

(SETF (GETHASH "800.9" ICD9-HASH-TABLE)

"Open with intracranial injury of other and unspecified nature")

(SETF (GETHASH "801.1" ICD9-HASH-TABLE)

"Closed without mention of intracranial injury")

(SETF (GETHASH "801.1" ICD9-HASH-TABLE)

"Closed with cerebral laceration and contusion")

(SETF (GETHASH "801.2" ICD9-HASH-TABLE)

"Closed with testernal laceration and extradural hemorrhage")

(SETF (GETHASH "801.2" ICD9-HASH-TABLE)

"Closed with subarachnoid, subdural, and extradural hemorrhage")

(SETF (GETHASH "801.3" ICD9-HASH-TABLE)

"Closed with other and unspecified intracranial hemorrhage")

(SETF (GETHASH "801.3" ICD9-HASH-TABLE)

"Closed with other and unspecified intracranial hemorrhage")

(SETF (GETHASH "801.3" ICD9-HASH-TABLE)

"Closed with other and unspecified intracranial hemorrhage")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETING) COLLY AND MAINTENANCE (CETHASH "801.5" ICD9-HASH-TABLE)
(SETF (GETHASH "801.5" ICD9-HASH-TABLE)
"Open without mention of intracranial injury")
(SETF (GETHASH "801.6" ICD9-HASH-TABLE)
"Open with cerebral laceration and contusion")
                          (GETHASH "799.0" ICD9-HASH-TABLE" "Asphyria")
(GETHASH "799.1" ICD9-HASH-TABLE" "Respiratory arrest")
(GETHASH "799.2" ICD9-HASH-TABLE" "Respiratory arrest")
(GETHASH "799.3" ICD9-HASH-TABLE" "Debility, unspecified")
(GETHASH "799.4" ICD9-HASH-TABLE" "Cachexia")
(GETHASH "799.9" ICD9-HASH-TABLE" "Other ill-defined conditions")
(GETHASH "799.9" ICD9-HASH-TABLE) "Other ill-defined conditions")
'Other ill-defined and unknown causes of morbidity and mortality")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Open with intracranial injury of other and unspecified nature")
(GETHASH ""802" ICD9-HASH-TABLE) "Fracture of face bones")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Open with subarachnoid, subdural, and extradural hemorrhage")
(GETHASH ""801.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                            "Other unknown and unspecified cause")
(GETHASH "FRACTURE OF SKULL (800-804)" ICO9-HASH-TABLE) "")
(GETHASH "8800" ICD9-HASH-TABLE) "Fracture of vault of skull")
(GETHASH "800.0" ICO9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Open with other and unspecified intracranial hemorrhage") (SETF (GETHASH ""801.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF (GETHASH '"801.7" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF (GETHASH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
                                  SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                       (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
```

```
SETF (CETMASH "802.2" ICD9-MASH-TARLE, "Mandible, open")
SETF (CETMASH "802.3" ICD9-MASH-TARLE, "Unspecified site")
SETF (CETMASH "802.3" ICD9-MASH-TARLE, "Unspecified site")
SETF (CETMASH "802.3" ICD9-MASH-TARLE, "Stony at process")
SETF (CETMASH "802.3" ICD9-MASH-TARLE, "Angle sites")
SETF (CETMASH "802.3" ICD9-MASH-TARLE, "And tiple sites")
SETF (CETMASH "802.3" ICD9-MASH-TARLE, "And tiple sites")
SETF (CETMASH "802.3" ICD9-MASH-TARLE)
SETF (CETMASH "802.3" ICD9-MASH-TARLE
```

```
(SET CETHASH "805" ICD9-HASH-TABLE)

"Fracture of vertebal colum without mention of spinal cord injury")

(SET CETHASH "805." ICD9-HASH-TABLE)

(SET CETHASH "805." ICD9-HASH-TABLE "Cervical, closed")

(SETE CETHASH "805." ICD9-HASH-TABLE "Dorsal [thoracic], closed")

(SETE CETHASH "805." ICD9-HASH-TABLE "Dorsal [thoracic], closed")

(SETE CETHASH "805." ICD9-HASH-TABLE "Dorsal [thoracic], closed")

(SETE CETHASH "805." ICD9-HASH-TABLE "Lumbar, closed")

(SETE CETHASH "805." ICD9-HASH-TABLE "Lumbar, closed")

(SETE CETHASH "805." ICD9-HASH-TABLE "Sacrum and coccyx, closed")

(SETE CETHASH "805." ICD9-HASH-TABLE "Umbar, closed")

(SETE CETHASH "805." ICD9-HASH-TABLE "Umparcitied, closed")

(SETE CETHASH "805." ICD9-HASH-TABLE "Umpar, closed")

(SETE CETHASH "805." ICD9-HAS
```

```
(SEIF (GETMASH "806.2" UND-MASH-TABLE)

(SEIF (GETMASH "806.2" with order specified spinal cord injury")

(SEIF (GETMASH "806.2" with unspecified spinal cord injury")

(SEIF (GETMASH "806.2" LOD-MASH-TABLE)

(SEIF (GETMASH "806.2" LOD-MASH-TABLE)

(SEIF (GETMASH "806.2" LOD-MASH-TABLE)

(SEIF (GETMASH "806.2" LOD-MASH-TABLE)

(SEIF (GETMASH "806.3" LOD-MASH-TABLE)

(SEIF (GETMASH "806.5" LOD-MASH-TABLE)

(SEIF (GETMASH "806.5" LOD-MASH-TABLE)

(SEIF (GETMASH "806.5" LOD-MASH-TABLE)

(SEIF (GETMASH "806.5" LOD-MASH-TABLE)

(SEIF (GETMASH "806.6" LOD-MASH-TABLE)

(SEIF (GETMASH "806.6" LOD-MASH-TABLE)

(SEIF (GETMASH "806.6" LOD-MASH-TABLE)

(SEIF (GETMASH "806.6" LOD-MASH-TABLE)

(SEIF (GETMASH "806.6." LOD-MASH-TABLE)

(SEIF (GETMASH "806.6" LOD-MASH-TABLE
```

```
(SETE (CETMASH "1909.1" TOD9-MASH-TABLE) "Publis, classed")
(SETE (CETMASH "1909.2" TOD9-MASH-TABLE) "Publis, classed")
(SETE (CETMASH "1909.4" TOD9-MASH-TABLE) "Publis, classed")
(SETE (CETMASH "1908.4" TOD9-MASH-TABLE) "TILAN")
(SETE (CETMASH "1908.1" TOD9-MASH-TABLE) "Unspecified, open")
(SETE (CETMASH "1908.2" TOD9-MASH-TABLE) "Unspecified, open")
(SETE (CETMASH "1909.1" TOD9-MASH-TABLE) "Unspecified, open")
(SETE (CETMASH "1909.1" TOD9-MASH-TABLE) "Unspecified, open")
(SETE (CETMASH "1909.1" TOD9-MASH-TABLE) "Unspecified open")
(SETE (CETMASH "1902.0" TOD9-MASH-TABLE) "Unspecified open")
(SETE (CETMASH "1902.1" TOD9-MASH-TABLE) "Unspecified open")
(SETE (CETMASH "1902.1" TOD
```

```
"Other fractures of distal end of radius (alone)")

ETF (GETHASH "1813.53" ICD9-HASH-TABLE) "mistal end of ulna (alone)")

ETF (GETHASH "1813.44" ICD9-HASH-TABLE) "mistal end of ulna (alone)")

ETF (GETHASH "1813.84" ICD9-HASH-TABLE) "hospecified part, closed")

ETF (GETHASH "1813.80" ICD9-HASH-TABLE) "Forearm, unspecified")

ETF (GETHASH "1813.82" ICD9-HASH-TABLE) "mist alone")"

ETF (GETHASH "1813.82" ICD9-HASH-TABLE) "unspecified part, open")

ETF (GETHASH "1813.90" ICD9-HASH-TABLE) "unspecified part, open")

ETF (GETHASH "1813.90" ICD9-HASH-TABLE) "madius with ulna")

ETF (GETHASH "1813.90" ICD9-HASH-TABLE) "madius (alone)")

ETF (GETHASH "1813.90" ICD9-HASH-TABLE) "madius (alone)")

ETF (GETHASH "1813.93" ICD9-HASH-TABLE) "Radius (alone)")

ETF (GETHASH "1813.93" ICD9-HASH-TABLE) "Radius with ulna")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Upper end of forearm, unspecified")

"Upper end of forearm, unspecified")

(GETHASH "813.11" ICD9-HASH-TABLE) "Coronoid process of ulna")

(GETHASH "813.13" ICD9-HASH-TABLE) "Monteggia's fracture")

(GETHASH "813.14" ICD9-HASH-TABLE) "Monteggia's fracture")

"Other and unspecified fractures of proximal end of ulna (alone)")

(GETHASH "813.16" ICD9-HASH-TABLE) "Neck of radius")

(GETHASH "813.16" ICD9-HASH-TABLE) "Neck of radius")

(GETHASH "813.18" ICD9-HASH-TABLE)

"Other and unspecified fractures of proximal end of radius (alone)")

"GETHASH "813.18" ICD9-HASH-TABLE)

"GETHASH "813.18" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Other and unspecified fractures of proximal end of radius (alone)") (GETHASH "813.08" ICD9-HASH-TABLE) "Radius with ulma, upper end [ann part]") (GETHASH "813.1" ICD9-HASH-TABLE) "Upper end, open") (GETHASH "813.1" ICD9-HASH-TABLE) "Upper end, open")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Other and unspecified fractures of proximal end of ulna (alone)") (GETHASH "R313.05" ICD9-HASH-TABLE) "Head of radius") (GETHASH "813.06" ICD9-HASH-TABLE) "Neck of radius") (GETHASH "813.07" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Other Tractures of distal end of radius (alone)")
(GETHASH "813.43" ICD9-HASH-TABLE) "Distal end of ulna (alone)")
(GETHASH "813.44" ICD9-HASH-TABLE) "Radius with ulna, lower end")
(GETHASH "813.5" ICD9-HASH-TABLE) "Lower end, open")
(GETHASH "813.50" ICD9-HASH-TABLE)
(GETHASH ""812.59" ICD9-HASH-TABLE) "Other")
(GETHASH ""813.0" ICD9-HASH-TABLE) "Fracture of radius and ulna")
(GETHASH ""813.0" ICD9-HASH-TABLE) "Upper end, closed")
(GETHASH ""813.00" ICD9-HASH-TABLE)
"Upper end of forearm, unspecified")
(GETHASH ""813.01" ICD9-HASH-TABLE) "Other nor process of ulna")
(GETHASH ""813.02" ICD9-HASH-TABLE) "Coronoid process of ulna")
(GETHASH ""813.03" ICD9-HASH-TABLE) "Monteggia's fracture")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              THE GETHASH "813.2" ICD9-HASH-TABLE) "Shaft, closed")

ETF (GETHASH "813.2" ICD9-HASH-TABLE) "Shaft, closed")

ETF (GETHASH "813.20" ICD9-HASH-TABLE "Shaft, unspecified")

ETF (GETHASH "813.20" ICD9-HASH-TABLE "Shaft, unspecified")

ETF (GETHASH "813.20" ICD9-HASH-TABLE "Unna (alone)")

ETF (GETHASH "813.20" ICD9-HASH-TABLE "Shaft, nopen")

ETF (GETHASH "813.30" ICD9-HASH-TABLE "Shaft, nopen")

ETF (GETHASH "813.30" ICD9-HASH-TABLE "Shaft, unspecified")

ETF (GETHASH "813.30" ICD9-HASH-TABLE "Radius (alone)")

ETF (GETHASH "813.30" ICD9-HASH-TABLE) "Radius with ulna")

ETF (GETHASH "813.34" ICD9-HASH-TABLE) "Radius with ulna")

ETF (GETHASH "813.34" ICD9-HASH-TABLE) "Radius with ulna")

ETF (GETHASH "813.34" ICD9-HASH-TABLE) "Endius with ulna")

ETF (GETHASH "813.34" ICD9-HASH-TABLE) "Colles' fracture")

ETF (GETHASH "813.41" ICD9-HASH-TABLE) "Colles' fracture")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Lower end of forearm, unspecified")
(GETHASH '"813.51" ICD9-HASH-TABLE) "Colles' fracture")
(GETHASH '"813.52" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       $2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
$2517
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SET # (S
                                                                                                                                                                                                                                                                                                                                             (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
```

```
CSETE (GETHASH "819.0" ICD9-HASH-TABLE) "Closed")

(SETF (GETHASH "819.0" ICD9-HASH-TABLE) "Closed")

(SETF (GETHASH "819.1" ICD9-HASH-TABLE) "Closed")

(SETF (GETHASH "819.1" ICD9-HASH-TABLE) "Closed")

(SETF (GETHASH "820.1" ICD9-HASH-TABLE) "Fracture of neck of femur")

(SETF (GETHASH "820.0" ICD9-HASH-TABLE) "Fracture of neck of femur")

(SETF (GETHASH "820.0" ICD9-HASH-TABLE) "Fracture of neck of femur")

(SETF (GETHASH "820.0" ICD9-HASH-TABLE) "Fracture of neck of femur")

(SETF (GETHASH "820.0" ICD9-HASH-TABLE) "Midcervical section")

(SETF (GETHASH "820.0" ICD9-HASH-TABLE) "Midcervical section")

(SETF (GETHASH "820.0" ICD9-HASH-TABLE) "Midcervical section")

(SETF (GETHASH "820.0" ICD9-HASH-TABLE) "SETP (GETHASH "820.0" ICD9-HASH-TABLE) "CSTF (GETHASH "820.0" ICD9-HASH-TABLE) "TANSCERVICAL "CSTF (GET
(GETHASH ""814" ICD9-HASH-TABLE) "Fracture of carpal bone(s)")
(GETHASH ""814.0" ICD9-HASH-TABLE) "Closed")
(GETHASH "814.1" ICD9-HASH-TABLE) "Open")
(GETHASH "815.0" ICD9-HASH-TABLE) "Practure of metacarpal bone(s)")
(GETHASH "815.0" ICD9-HASH-TABLE) "Open")
(GETHASH "815.1" ICD9-HASH-TABLE) "Open")
(GETHASH "816.1" ICD9-HASH-TABLE)
"Fracture of one or more phalanges of hand")
(GETHASH "816.1" ICD9-HASH-TABLE) "Open")
(GETHASH "816.1" ICD9-HASH-TABLE) "Open")
(GETHASH "816.1" ICD9-HASH-TABLE) "Open")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF (GETHASH "820.21" ICD9-HASH-TABLE) "Intertrochanteric section") (SETF (GETHASH "820.21" ICD9-HASH-TABLE) "Intertrochanteric section") (SETF (GETHASH "820.3" ICD9-HASH-TABLE) "Subtrochanteric section") "Pertrochanteric fracture, open") (SETF (GETHASH "820.30" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF (GETHASH "821.00" ICD9-HASH-TABLE) "Unspecified part of femur") (SETF (GETHASH "821.00" ICD9-HASH-TABLE) "Unspecified part of femur") (SETF (GETHASH "821.0" ICD9-HASH-TABLE) "Shaft") (SETF (GETHASH "821.1" ICD9-HASH-TABLE) "Shaft or unspecified part, open") (SETF (GETHASH "821.10" ICD9-HASH-TABLE) "Unspecified part of femur")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Trochanteric section, unspecified")
(SETF (GETHASH "'820.31" ICD9-HASH-TABLE) "Intertrochanteric section")
(SETF (GETHASH "'820.32" ICD9-HASH-TABLE) "Subtrochanteric section")
(SETF (GETHASH "'820.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF (GETHASH "820.11" ICD9-HASH-TABLE)

(SETF (GETHASH "820.11" ICD9-HASH-TABLE)

(SETF (GETHASH "820.12" ICD9-HASH-TABLE) "Widcervical section")

(SETF (GETHASH "820.13" ICD9-HASH-TABLE) "Base of neck")

(SETF (GETHASH "820.13" ICD9-HASH-TABLE) "Cther")

(SETF (GETHASH "820.19" ICD9-HASH-TABLE) "Cther")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF (GETHASH ""821" ICD9-HASH-TABLE)

"Fracture of other and unspecified parts of femur")
(SETF (GETHASH ""821.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Wultiple fractures of hand bones")
FF (GETHASH "817.0" ICD9-HASH-TABLE) "Closed")
FF (GETHASH "818.1.1" ICD9-HASH-TABLE) "Open")
FF (GETHASH "818.1" ICD9-HASH-TABLE)
"Ill-defined fractures of upper limb")
FF (GETHASH "818.0" ICD9-HASH-TABLE) "Closed")
FF (GETHASH "818.1" ICD9-HASH-TABLE) "Open")
FF (GETHASH "818.1" ICD9-HASH-TABLE) "Open")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Unspecified part of neck of femur, closed")
(SETF (GETHASH ""820.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Pertrochanteric fracture, closed")
(SETF (GETHASH '"820.20" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                         (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
```

```
SETF (GETMSN "E21.2" ICD9-MSN-TARLE" "Lower end, closed")
SETF (GETMSN "E21.2" ICD9-MSN-TARLE" "Lower end, unspecified part")
SETF (GETMSN "E21.2" ICD9-MSN-TARLE" "Condyle, femoral")
SETF (GETMSN "E21.2" ICD9-MSN-TARLE" "Condyle, femoral")
SETF (GETMSN "E21.2" ICD9-MSN-TARLE" "Condyle, femoral")
SETF (GETMSN "E21.2" ICD9-MSN-TARLE" "Cheef")
SETF (GETMSN "E21.2" ICD9-MSN-TARLE" "Cheef")
SETF (GETMSN "E21.3" ICD9-MSN-TARLE" "Lower end, unspecified part")
SETF (GETMSN "E21.3" ICD9-MSN-TARLE" "Lower end, unspecified part")
SETF (GETMSN "E21.3" ICD9-MSN-TARLE" "Lower end, unspecified part")
SETF (GETMSN "E21.3" ICD9-MSN-TARLE" "Lower end, closed")
SETF (GETMSN "E21.3" ICD9-MSN-TARLE" "Lower end, closed")
SETF (GETMSN "E21.3" ICD9-MSN-TARLE" "Closed")
SETF (GETMSN "E21.3" ICD9-MSN-TARLE" "Closed")
SETF (GETMSN "E21.3" ICD9-MSN-TARLE" "SPATT, closed")
SETF (GETMSN "E22.3" ICD9-MSN-TARLE" "SPATT, closed")
SETF (GETMSN "E22.4" ICD9-MSN-TARLE" "SPATT "SPATT "SPATT"
SETF (GETMSN "E22.2" ICD9-MSN-TARLE" "SPATT "SPATT "SPATT"
SETF (GETMSN "E22.2" ICD9-MSN-TARLE" "SPATT "SPATT"
SETF (GETMSN "E22.2" ICD9-MSN-TARLE" "SPATT "SPATT"
SETF (GETMSN "E22.2" ICD9-MSN-TARLE" "SPATT "SPAT
```

```
CENTRASH "222.0 ICD9-MASH-TARELD" (Closed")

(SETF CGETHASH "222.7 ICD9-MASH-TARELD" Open")

(SETF CGETHASH "222.7 ICD9-MASH-TARELD" Open")

(SETF CGETHASH "223.1 ICD9-MASH-TARELD" Maspecified bone, closed")

(SETF CGETHASH "223.1 ICD9-MASH-TARELD" Waspecified bone, closed")

(SETF CGETHASH "223.1 ICD9-MASH-TARELD" Open dislocation")

(SETF CGETHASH "2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF (GETHASH "836.3" ICD9-HASH-TABLE)
(SETF (GETHASH "836.3" ICD9-HASH-TABLE)
(SETF (GETHASH "836.4" ICD9-HASH-TABLE) "Dislocation of patella, closed")
(SETF (GETHASH "836.5" ICD9-HASH-TABLE)
(SETF (GETHASH "836.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Posterior dislocation of tibia, proximal end")
(GETHASH "836.63" ICD9-HASH-TABLE)
"Medial dislocation of tibia, proximal end")
(GETHASH "836.64" ICD9-HASH-TABLE)
"Lateral dislocation of tibia, proximal end")
(GETHASH "836.69" ICD9-HASH-TABLE) "Other")
(GETHASH "837" ICD9-HASH-TABLE) "Dislocation of ankle")
(GETHASH "837" ICD9-HASH-TABLE) "Cother")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF (GETHASH "836.51" ICD9-MASH-TABLE)

(SETF (GETHASH "836.52" ICD9-MASH-TABLE)

(SETF (GETHASH "836.52" ICD9-MASH-TABLE)

(SETF (GETHASH "836.52" ICD9-MASH-TABLE)

(SETF (GETHASH "836.53" ICD9-MASH-TABLE)

"Medial dislocation of tibia, proximal end")

(SETF (GETHASH "836.54" ICD9-MASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Dislocation of knee, unspecified")
(SETF (GETHASH "836.61" ICD9-MASH-TABLE)
"Anterior dislocation of tibia, proximal end")
(SETF (GETHASH "836.62" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Lateral dislocation of tibia, proximal end")
(GETHASH "836.59" ICD9-HASH-TABLE) "Other")
(GETHASH "836.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Other dislocation of knee, closed")
(GETHASH '"836.50" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Other dislocation of knee, open") (SETF (GETHASH '"836.60" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
```

```
"Cervical vertebra, unspecified")

ETF (GETHASH "839.01" ICD9-HASH-TABLE) "First cervical vertebra")

ETF (GETHASH "839.02" ICD9-HASH-TABLE) "Second cervical vertebra")

ETF (GETHASH "839.03" ICD9-HASH-TABLE) "Third cervical vertebra")

ETF (GETHASH "839.03" ICD9-HASH-TABLE) "Third cervical vertebra")

ETF (GETHASH "839.04" ICD9-HASH-TABLE) "Fifth cervical vertebra")

ETF (GETHASH "839.06" ICD9-HASH-TABLE) "Seventh cervical vertebra")

ETF (GETHASH "839.07" ICD9-HASH-TABLE) "Seventh cervical vertebra")

ETF (GETHASH "839.08" ICD9-HASH-TABLE) "Multiple cervical vertebra")

ETF (GETHASH "839.10" ICD9-HASH-TABLE) "Cervical vertebra")

ETF (GETHASH "839.10" ICD9-HASH-TABLE)

ETF (GETHASH "839.10" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SETF (GETHASH "839.11" ICD9-HASH-TABLE) "First cervical vertebra")
SETF (GETHASH "839.11" ICD9-HASH-TABLE) "First cervical vertebra")
SETF (GETHASH "839.11" ICD9-HASH-TABLE) "Third cervical vertebra")
SETF (GETHASH "839.12" ICD9-HASH-TABLE) "Third cervical vertebra")
SETF (GETHASH "839.14" ICD9-HASH-TABLE) "Fifth cervical vertebra")
SETF (GETHASH "839.15" ICD9-HASH-TABLE) "Sixth cervical vertebra")
SETF (GETHASH "839.16" ICD9-HASH-TABLE) "Sixth cervical vertebra")
SETF (GETHASH "839.18" ICD9-HASH-TABLE) "Sixth cervical vertebra")
SETF (GETHASH "839.20" ICD9-HASH-TABLE) "Multiple cervical vertebra")
Thoracic and lumbar vertebra, closed")
SETF (GETHASH "839.20" ICD9-HASH-TABLE) "Thoracic vertebra")
SETF (GETHASH "839.30" ICD9-HASH-TABLE) "Thoracic vertebra")
SETF (GETHASH "839.30" ICD9-HASH-TABLE) "Thoracic vertebra")
SETF (GETHASH "839.30" ICD9-HASH-TABLE) "Thoracic vertebra")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SETF (GETHASH "839.57 LIC9-HASH-TABLE)

SETF (GETHASH "839.30" ICD9-HASH-TABLE) "Lumbar vertebra")

SETF (GETHASH "839.31" ICD9-HASH-TABLE) "Thoracic vertebra")

SETF (GETHASH "839.41" ICD9-HASH-TABLE) "Tother vertebra, unspecified site")

SETF (GETHASH "839.42" ICD9-HASH-TABLE) "Other vertebra, unspecified site")

SETF (GETHASH "839.42" ICD9-HASH-TABLE) "Other")

SETF (GETHASH "839.52" ICD9-HASH-TABLE) "Other")

SETF (GETHASH "839.53" ICD9-HASH-TABLE) "Other")

SETF (GETHASH "839.52" ICD9-HASH-TABLE) "Other")

SETF (GETHASH "839.52" ICD9-HASH-TABLE) "Other")

SETF (GETHASH "839.52" ICD9-HASH-TABLE) "Serum")

SETF (GETHASH "839.52" ICD9-HASH-TABLE) "Other")

SETF (GETHASH "839.52" ICD9-HASH-TABLE) "Other")

SETF (GETHASH "839.61" ICD9-HASH-TABLE) "Other")

SETF (GETHASH "839.61" ICD9-HASH-TABLE) "Other")

SETF (GETHASH "839.72" ICD9-HASH-TABLE) "Sternum")

SETF (GETHASH "839.72" ICD9-HASH-TABLE) "Sternu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Acromioclavicular (joint) (ligament)") (GETHASH "840.1" ILD9-HASH-TARLE) "Coracolavicular (ligament)") (GETHASH "840.2" ICD9-HASH-TARLE) "Coracohumeral (ligament)") (GETHASH "840.3" ICD9-HASH-TARLE) "Infragapinatus (muscle) (tendon)") (GETHASH "840.4" ICD9-HASH-TARLE) "Rotator cuff (capsule)") (GETHASH "840.5" ICD9-HASH-TARLE) "Subscapularis (muscle)")
                                                                                                                                                                                                                                                                              "Other, multiple, and ill-defined dislocations")
(GETHASH "839.0" ICD9-HASH-TABLE) "Cervical vertebra, closed")
(GETHASH "839.00" ICD9-HASH-TABLE)
(GETHASH '"837.1" ICD9-HASH-TABLE) "Open dislocation")
(GETHASH '"838. ICD9-HASH-TABLE) "Dislocation of foot")
(GETHASH '"838.0" ICD9-HASH-TABLE) "Closed dislocation")
(GETHASH '"838.1" ICD9-HASH-TABLE) "Open dislocation")
(GETHASH '"839" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SET + CONTROL OF CONT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                        (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
```

```
(SETF (GETHASH "842.0" ICD9-HASH-TABLE) "Wrist")

(SETF (GETHASH "842.0" ICD9-HASH-TABLE) "Wrist")

(SETF (GETHASH "842.0" ICD9-HASH-TABLE) "Unspecified site")

(SETF (GETHASH "842.0" ICD9-HASH-TABLE) "Carpal (joint)")

(SETF (GETHASH "842.0" ICD9-HASH-TABLE) "Carpal (joint)")

(SETF (GETHASH "842.0" ICD9-HASH-TABLE) "Unspecified site")

(SETF (GETHASH "842.10" ICD9-HASH-TABLE) "Unspecified site")

(SETF (GETHASH "842.11" ICD9-HASH-TABLE) "Unspecified site")

(SETF (GETHASH "842.11" ICD9-HASH-TABLE) "Inspecified site")

(SETF (GETHASH "842.11" ICD9-HASH-TABLE) "Inspecified site")

(SETF (GETHASH "842.11" ICD9-HASH-TABLE) "Inspecified site")

(SETF (GETHASH "843.11" ICD9-HASH-TABLE) "Inspecified (joint)")

(SETF (GETHASH "843.1" ICD9-HASH-TABLE) "Inspecified sites of hip and thigh")

(SETF (GETHASH "843.3" ICD9-HASH-TABLE) "Schiocapsular (ligament)")

(SETF (GETHASH "843.3" ICD9-HASH-TABLE) "Schiocapsular (ligament)")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Tarsometatarsal (joint) (ligament)")
(GETHASH "845.12" ICD9-HASH-TABLE) "Metatarsophalangeal (joint)")
(GETHASH "845.13" ICD9-HASH-TABLE) "Interphalangeal (joint), toe")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Other specified sites of knee and leg")

(GETHASH "844.9" ICD9-HASH-TABLE)
"Unspecified site of knee and leg")

(GETHASH "845.0" ICD9-HASH-TABLE)

"Sprains and strains of ankle and foot")

(GETHASH "845.0" ICD9-HASH-TABLE) "Unspecified site")

(GETHASH "845.0" ICD9-HASH-TABLE) "Unspecified site")

(GETHASH "845.0" ICD9-HASH-TABLE) "Calcaneofibular (ligament)")

(GETHASH "845.02" ICD9-HASH-TABLE) "Calcaneofibular (ligament)")
                                                                                                                                                                                                                                                      GETHASH "841.0" ICD9-HASH-TABLE) "Radial collateral ligament")
(GETHASH "841.0" ICD9-HASH-TABLE) "Radial collateral ligament")
(GETHASH "841.0" ICD9-HASH-TABLE) "Unnar collateral ligament")
(GETHASH "841.2" ICD9-HASH-TABLE) "Radiohumeral (joint)")
(GETHASH "841.3" ICD9-HASH-TABLE) "Radiohumeral (joint)")
(GETHASH "841.8" ICD9-HASH-TABLE)
"Other specified sites of elbow and forearm")
(GETHASH "841.9" ICD9-HASH-TABLE)
"Unspecified site of elbow and forearm")
(GETHASH "842" ICD9-HASH-TABLE)
"GETHASH "842" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Cruciate ligament of knee")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Tibiofibular (Higament), distal")
(GETHASH "845.0" ICD9-HASH-TABLE) "Other")
(GETHASH "845.1" ICD9-HASH-TABLE) "Foot")
(GETHASH "845.11" ICD9-HASH-TABLE) "Unspecified site")
(GETHASH "845.11" ICD9-HASH-TABLE)
                                                                                                            "Other specified sites of shoulder and upper arm") (GETHASH ""840.9" ICD9-HASH-TABLE)
"Unspecified site of shoulder and upper arm") (GETHASH ""841" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Tibiofibular (joint) (ligament), superior")
(GETHASH '"844.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Lateral collateral ligament of knee")
(SETF (GETHASH "844.1" ICD9-HASH-TABLE)
(SETF (GETHASH "844.2" ICD9-HASH-TABLE)
(SETF (GETHASH "844.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Sprains and strains of knee and leg")
(GETHASH "844.0" ICD9-HASH-TABLE)
                                    "Supraspinatus (muscle) (tendon)")
(GETHASH '"840.8" ICD9-HASH-TABLE)
(GETHASH '"840.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                                        (SETF
                                                                                                                                                                                                                                                                                                          (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
                                                                                                                                                         (SETF
                                                                                                                                                                                                                                  (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
```

```
"With prolonged loss of consousness, without return to pre-existing conscious level") (GETHASH '"850.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "With prolonged loss of consciousness and return to pre-existing conscious level") (GETHASH '"850.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Cerebellar or brain stem contusion without mention of open intracranial wound")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Cortex (cerebral) contusion with open intracranial wound")
(GETHARY "831_2" ICD9-HASH-TARLE)
"Cortex (cerebral) laceration without mention of open intracranial wound")
(GETHASH "851.3" ICD9-HASH-TARLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Cortex (cerebral) contusion without mention of open intracranial wound") (GETHASH '"851.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Unspecified site of sprain and strain")
(GETHASH "880" ICD9-HASH-TABLE) "Concussion")
(GETHASH "850.0" ICD9-HASH-TABLE) "With no loss of consciousness")
(GETHASH "850.1" ICD9-HASH-TABLE)
"With brief loss of consciousness")
(GETHASH "850.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Gerebellar or brain stem contusion with open intracranial wound") (GETHASH '"851.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         THE CETHASH "848.0" ICD9-HASH-TABLE) "Septal cartilage of nose")

EFF (GETHASH "848.0" ICD9-HASH-TABLE) "Septal cartilage of nose")

EFF (GETHASH "848.1" ICD9-HASH-TABLE) "Jaw")

EFF (GETHASH "848.3" ICD9-HASH-TABLE) "Sternum")

EFF (GETHASH "848.4" ICD9-HASH-TABLE) "Sternum")

EFF (GETHASH "848.4" ICD9-HASH-TABLE) "Unspecified site")

EFF (GETHASH "848.4" ICD9-HASH-TABLE) "Chondrosternal (joint)")

EFF (GETHASH "848.4" ICD9-HASH-TABLE) "Chondrosternal (joint)")

EFF (GETHASH "848.8" ICD9-HASH-TABLE) "Other")

EFF (GETHASH "848.8" ICD9-HASH-TABLE) "Other")

EFF (GETHASH "848.8" ICD9-HASH-TABLE) "Other")

EFF (GETHASH "848.8" ICD9-HASH-TABLE) "Pelvis")
                                                                                                       "Lumbosacral (joint) ((1gament)")
(GETHASH "846.1" ICD9-HASH-TABLE) "Sacroiliac ligament")
(GETHASH "846.2" ICD9-HASH-TABLE) "Sacrospinatus (ligament)")
(GETHASH "846.3" ICD9-HASH-TABLE) "Sacrotuberous (ligament)")
(GETHASH "846.8" ICD9-HASH-TABLE)
"Other specified sites of sacroiliac region")
(GETHASH "846.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                "Unspecified site of sacrolliac region")
(GETHASH ""847" ICD9-HASH-TABLE)
"Sprains and strains of other and unspecified parts of back")
(GETHASH ""847.2" ICD9-HASH-TABLE) "Neck")
(GETHASH ""847.2" ICD9-HASH-TABLE) "Lumbar")
(GETHASH ""847.4" ICD9-HASH-TABLE) "Lumbar")
(GETHASH ""847.4" ICD9-HASH-TABLE) "Coccyw")
(GETHASH ""847.9" ICD9-HASH-TABLE) "Coccyw")
(GETHASH ""847.9" ICD9-HASH-TABLE) "Coccyw")
(GETHASH ""847.9" ICD9-HASH-TABLE) "Unspecified site of back")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "With loss of consciousness of unspecified duration")
(GETHASH "850.9" ICD9-HASH-TABLE) "Concussion, unspecified")
(GETHASH "851.1 ICD9-HASH-TABLE)
(Gerebral laceration and contusion")
(GETHASH "851.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Cortex (cerebral) laceration with open intracranial wound") (GETHASH ""851.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Other specified sites of sprains and strains")
(GETHASH ""848.9" ICD9-HASH-TABLE)
  "845.19" ICD9-HASH-TABLE) "Other")
                                                        "Sprains and strains of sacroiliac region")
(GETHASH ""846.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                'With moderate loss of consciousness")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (GETHASH '"851.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (GETHASH '"850.3" ICD9-HASH-TABLE)
                          "846" ICD9-HASH-TABLE)
(GETHASH
                                   (GETHASH
                                                                                                                                                                                                                                                                                     (SETF (GETHASH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                                                     (SETF
                                                                                                                                       (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                          (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
  (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                            (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
```

"Cerebellar or brain stem laceration without mention of open intracranial wound")

```
"Cerebellar or brain stem laceration with open intracranial wound")
(EGFHASH. "851.8" LOG9-HASH-TABLE)
"Other and unspecified cerebral laceration and contusion, without mention of open intracranial wound")
(GETHASH "851.9" ICD9-HASH-TABLE)
                                                                                                                                                   "Other and unspecified cerebral laceration and contusion, with open intracranial wound") (GETHASH ""852" ICD9-HASH-TABLE)
"Subarachnoid, subdural, and extradural hemorrhage, following injury")
(GETHASH ""852.0" ICD9-HASH-TABLE)
"Subarachnoid hemorrhage following injury without mention of open intracranial wound") (GETHASH ""852.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Extradural hemorrhage following injury without mention of open intracranial wound") (GETHASH "852.5" ICO9-HASH-TABLE)
"Extradural hemorrhage following injury with open intracranial wound") (GETHASH "853" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                            "Subdural hemorrhage following injury without mention of open intracranial wound") (GETHARS "7852.3" ICO9-HASH-TABLE)
"Subdural hemorrhage Gollowing injury with open intracranial wound") (GETHASH "1852.4" ICO9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                          "Subarachnoid hemorrhage following injury with open intracranial wound")
(GETHASH "852.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Without mention of open intracranial wound")
(GETHASH '"854.1" ICD9-HASH-TABLE) "With open intracranial wound")
(GETHASH '"860" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Without mention of open intracranial wound")
(GETHASH '"853.1" ICD9-HASH-TABLE) "With open intracranial wound")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Other and unspecified intracranial hemorrhage following injury") (GETHASH ""8S3.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Pneumohemothorax without mention of open wound into thorax") (SETF (GETHASH ""860.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Pneumochemothorax with open wound into thorax")
(GETHASH ""861" ICD9-HASH-TABLE) "Injury to heart and lung")
(GETHASH ""861.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Heart, without mention of open wound into thorax")
(GETHASH "861.00" ICD9-HASH-TABLE) "Unspecified injury")
(GETHASH "861.01" ICD9-HASH-TABLE) "Contusion")
(GETHASH "861.02" ICD9-HASH-TABLE)
"Laceration without penetration of heart chambers")
(GETHASH "861.03" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Heart, with open wound into thorax")
(GETHASH '861.10" ICD9-HASH-TABLE) "Unspecified injury")
(GETHASH '861.11" ICD9-HASH-TABLE) "Contusion")
(GETHASH '861.12" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Lung, without mention of open wound into thorax")
(SETF (GETHASH "861.20" ICD9-HASH-TABLE) "Unspecffied injury")
(SETF (GETHASH "861.21" ICD9-HASH-TABLE) "Contusion")
(SETF (GETHASH "861.22" ICD9-HASH-TABLE) "Laceration")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Pneumothorax without mention of open wound into thorax") (GETHASH '"860.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Pneumothorax with open wound into thorax")
(SETF (GETHASH "*860.2" ICD9-HASH-TABLE)
"Hemothorax without mention of open wound into thorax")
(SETF (GETHASH "*860.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Intracranial injury of other and unspecified nature")
(GETHASH ""854.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Laceration without penetration of heart chambers")
(SETF (GETHASH ""861.13" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Laceration with penetration of heart chambers")
(SETF (GETHASH ""861.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Laceration with penetration of heart chambers") (SETF (GETHASH ""861.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Hemothorax with open wound into thorax")
(GETHASH '"860.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Traumatic pneumothorax and hemothorax") (GETHASH '"860.0" ICD9-HASH-TABLE)
(GETHASH '"851.7" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETHASH '"854" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF (GETHASH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
(SETF
                                                                 (SETF
                                                                                                                               (SETF
                                                                                                                                                                                                (SETF
                                                                                                                                                                                                                                                              (SETF
                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
```

```
"Other specified intrathoraci corgans, without mention of open wound into cavity")
(GETHASH ""862.21" ICD9-HASH-TABLE) "Bronchus")
(GETHASH ""862.22" ICD9-HASH-TABLE) "Bronchus")
(GETHASH ""862.22" ICD9-HASH-TABLE)
(GETHASH ""862.31" ICD9-HASH-TABLE)
(GETHASH ""862.31" ICD9-HASH-TABLE)
"Other specified intrathoraci corgans, with open wound into cavity")
(GETHASH ""862.31" ICD9-HASH-TABLE) "Bronchus")
(GETHASH ""862.32" ICD9-HASH-TABLE) "Bronchus")
(GETHASH ""862.32" ICD9-HASH-TABLE) "Other")
(GETHASH ""862.32" ICD9-HASH-TABLE) "Other")
(GETHASH ""862.9" ICD9-HASH-TABLE)
"Multiple and unspecified intrathoracic organs, without mention of open wound into cavity")
(GETHASH ""862.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Multiple and unspecified intrathoracic organs, with open wound into cavity") (GETHASH '"863" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GETHASH '883.40" ICD9-HASH-TABLE) "Colon, unspecified site")
EETE (GETHASH '883.40" ICD9-HASH-TABLE) "Colon, unspecified site")
EETE (GETHASH '883.41" ICD9-HASH-TABLE) "Ascending [right] colon")
EETE (GETHASH '883.43" ICD9-HASH-TABLE) "Transverse colon")
EETE (GETHASH '883.43" ICD9-HASH-TABLE) "Sigmoid colon")
EETE (GETHASH '883.44" ICD9-HASH-TABLE) "Rectum")
EETE (GETHASH '883.46" ICD9-HASH-TABLE) "Rectum")
EETE (GETHASH '883.46" ICD9-HASH-TABLE) "Other")
EETE (GETHASH '883.59" ICD9-HASH-TABLE) "Other")
EETE (GETHASH '883.59" ICD9-HASH-TABLE) "Other")
EETE (GETHASH '883.50" ICD9-HASH-TABLE) "Secending [right] colon")
EETE (GETHASH '883.51" ICD9-HASH-TABLE) "Descending [right] colon")
EETE (GETHASH '883.52" ICD9-HASH-TABLE) "Descending [right] colon")
EETE (GETHASH '883.53" ICD9-HASH-TABLE) "Descending [right] colon")
EETE (GETHASH '883.53" ICD9-HASH-TABLE) "Secending [right] colon")
EETE (GETHASH '883.53" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF (GETHASH "863.0" ICD9-HASH-TABLE)

(SETF (GETHASH "863.0" ICD9-HASH-TABLE)

(SETF (GETHASH "863.0" ICD9-HASH-TABLE)

"Stomach, without mention of open wound into cavity")

(SETF (GETHASH "863.2" ICD9-HASH-TABLE)

"Snall intestine, without mention of open wound into cavity")

(SETF (GETHASH "863.2" ICD9-HASH-TABLE)

"Snall intestine, without mention of open wound into cavity")

(SETF (GETHASH "863.2" ICD9-HASH-TABLE)

"Snall intestine, without mention of open wound into cavity")

(SETF (GETHASH "863.2" ICD9-HASH-TABLE)

"Snall intestine, with open wound into cavity")

(SETF (GETHASH "863.3" ICD9-HASH-TABLE)

"Snall intestine, with open wound into cavity")

(SETF (GETHASH "863.3" ICD9-HASH-TABLE)

"Snall intestine, with open wound into cavity")

(SETF (GETHASH "863.3" ICD9-HASH-TABLE)

"Snall intestine, with open wound into cavity")

(SETF (GETHASH "863.3" ICD9-HASH-TABLE)

"SNALL WINGSH "863.3" ICD9-HASH-TABLE)

(SETF (GETHASH "863.3" ICD9-HASH-TABLE)

"STAT (GETHASH "863.3" ICD9-HASH-TABLE)

(SETF (GETHASH "863.4" "109-HASH-TABLE)

"STAT (GETHASH "863.4" "109-HASH-TABLE)

"STAT (GETHASH "863.4" "109-HASH-TABLE)
                                  "Lung, with open wound into thorax")
"CGETHASH "881.30" ICD9-HASH-TABLE) "Unspecified injury")
(GETHASH "881.31" ICD9-HASH-TABLE) "Contusion")
(GETHASH "861.32" ICD9-HASH-TABLE) "Laceration")
(GETHASH "867" ICD9-HASH-TABLE) "Laceration")
(TGTHASH "867" ICD9-HASH-TABLE)
(CGTHASH "867" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                            "Diaphragm, without mention of open wound into cavity") (GETHASH "862.1" ICD9-HASH-TABLE)
"Diaphragm, with open wound into cavity") (GETHASH "862.2" ICD9-HASH-TABLE)
(GETHASH '"861.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
                                                                             (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
(SETF
    (SETF
                                                                                                                                                                                                                                                                                         (SETF
                                                                                                                                                                                                                                                                                                                                                                           (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SETF
SETF
SETF
SETF
SETF
SETF
```

```
Other and unspecified gastrointestinal sites, without mention of open wound into cavity")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CETHASH 1803-1909-HASH-IABLE)

SETE (GETHASH "863.90" ICO9-HASH-TABLE)

"Gastrointestinal tract. unspecified sites, with open wound into cavity")

"Gastrointestinal tract. unspecified site."

"Gastrointestinal tract. unspecified site.")

SETE (GETHASH "863.92" ICO9-HASH-TABLE) "Pancreas, body")

SETE (GETHASH "863.93" ICO9-HASH-TABLE) "Pancreas, tail")

SETE (GETHASH "863.93" ICO9-HASH-TABLE) "Pancreas, multiple and unspecified sites."

"Pancreas, multiple and unspecified sites."

"Parcreas, multiple and unspecified sites."

"Parcreas, multiple and unspecified sites."

"Pancreas, multiple and unspec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Uterus, with open wound into cavity")

(SETF (GETHASH "'867.6" ICD9-HASH-TABLE)

(SETF (GETHASH "'867.7" ICD9-HASH-TABLE)

(SETF (GETHASH "'867.7" ICD9-HASH-TABLE)

"Other specified pelvic organs, with open wound into cavity")

(SETF (GETHASH "'867.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Unspecified pelvic organ, without mention of open wound into cavity") (SETF (GETHASH '"867.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF (GETHASH "865.1" ICD9-HASH-TABLE) "Without mention of open wound into cavity")

(SETF (GETHASH "865.1" ICD9-HASH-TABLE) "With open wound into cavity")

(SETF (GETHASH "866.0" ICD9-HASH-TABLE) "Injury to kidney")

(SETF (GETHASH "866.0" ICD9-HASH-TABLE) "Mithout mention of open wound into cavity")

(SETF (GETHASH "866.1" ICD9-HASH-TABLE) "Mith open wound into cavity")

(SETF (GETHASH "867.0" ICD9-HASH-TABLE) "Injury to pelvic organs")

(SETF (GETHASH "867.1" ICD9-HASH-TABLE)

"Bladder and urethra, without mention of open wound into cavity")

(SETF (GETHASH "867.2" ICD9-HASH-TABLE)

"Bladder and urethra, with open wound into cavity")

(SETF (GETHASH "867.2" ICD9-HASH-TABLE)

"Ureter, without mention of open wound into cavity")

(SETF (GETHASH "867.3" ICD9-HASH-TABLE)

"Ureter, with open wound into cavity")

(SETF (GETHASH "867.4" ICD9-HASH-TABLE)

"Ureter, with open wound into cavity")

(SETF (GETHASH "867.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Injury to other intra-abdominal organs")
(SETF (GETHASH "868.0" ICD9-HASH-TABLE)
"Without mention of open wound into cavity")
(SETF (GETHASH "868.1" ICD9-HASH-TABLE) "With open wound into cavity")
(SETF (GETHASH "869" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Without mention of open wound into cavity")
(GETHASH '"869.1" ICD9-HASH-TABLE) "With open wound into cavity")
(GETHASH '"OPEN WOUND OF HEAD, NECK, AND TRUNK (870-879)"
                               TF (GETHASH "863.80" ICD9-HASH-TABLE)

"Gastrointestinal tract, unspecified site")

"F (GETHASH "863.81" ICD9-HASH-TABLE) "Pancreas, head")

FF (GETHASH "863.83" ICD9-HASH-TABLE) "Pancreas, body")

FF (GETHASH "863.83" ICD9-HASH-TABLE) "Pancreas, tail")

FF (GETHASH "863.88" ICD9-HASH-TABLE) "Pancreas, multiple and unspecified sites")

FF (GETHASH "863.88" ICD9-HASH-TABLE) "Appendix")

FF (GETHASH "863.89" ICD9-HASH-TABLE) "Other")

FF (GETHASH "863.99" ICD9-HASH-TABLE) "Other")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Unspecified pelvic organ, with open wound into cavity") (GETHASH ""868" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Internal injury to unspecified or ill-defined organs") (SETF (GETHASH ""869.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Uterus, without mention of open wound into cavity") (SETF (GETHASH ""867.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF (GETHASH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
                                                                                                                                                                                                                                                                                                                                                                                               (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
(SETF
(SETF
                                                    (SETF
                                                                                                                                                   (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
(SETF
(SETF
(SETF
```

ICD9-HASH-TABLE)

```
(SETE (CETMASH "870" IDD9-MASH-TARLED "Open wound of ocular adness")

(SETE (CETMASH "870" IDD9-MASH-TARLED "Open wound of ocular adness")

(SETE (CETMASH "870.7" IDD9-MASH-TARLED "Open wound of ocular adness")

(SETE (CETMASH "870.7" IDD9-MASH-TARLED "Open wound of foreign body")

(SETE (CETMASH "870.9" IDD9-MASH-TARLED "Open wound of foreign body")

(SETE (CETMASH "870.9" IDD9-MASH-TARLED "Open wound of orbit with foreign body")

(SETE (CETMASH "870.9" IDD9-MASH-TARLED "Open wound of orbit with foreign body")

(SETE (CETMASH "870.9" IDD9-MASH-TARLED "Open wound of orbit with foreign body")

(SETE (CETMASH "870.9" IDD9-MASH-TARLED "Open wound of orbit with foreign body")

(SETE (CETMASH "870.9" IDD9-MASH-TARLED "Open wound of orbit with foreign body")

(SETE (CETMASH "871.0" IDD9-MASH-TARLED "Open wound of orbit with foreign body")

(SETE (CETMASH "871.0" IDD9-MASH-TARLED "Open wound of orbit with foreign body")

(SETE (CETMASH "871.0" IDD9-MASH-TARLED "Open wound of orbit with foreign body")

(SETE (CETMASH "871.0" IDD9-MASH-TARLED "Open wound of earled")

(SETE (CETMASH "872.0" IDD9-MASH-TARLED "Open wound of earled
```

```
(SET (GETMASH "973.7" I 1009-HASH-TABLE) "Scalp, complicated")

"Ness, without mention of complication", uspecified site")

"Ness, without mention of complication", uspecified site")

"SET (GETMASH "973.2" I 1009-HASH-TABLE) "Massal septum")

SET (GETMASH "973.2" I 1009-HASH-TABLE) "Massal septum")

SET (GETMASH "973.2" I 1009-HASH-TABLE) "Massal septum")

SET (GETMASH "973.2" I 1009-HASH-TABLE) "Massal site")

SET (GETMASH "973.4" I 1009-HASH-TABLE) "Massal site")

SET (GETMASH "973.4" I 1009-HASH-TABLE) "Massal site")

SET (GETMASH "973.4" I 1009-HASH-TABLE "Maltiple sites")

SET (GETMASH "973.4" I 1009-HASH-TABLE "Deck. "Massal site")

SET (GETMASH "973.4" I 1009-HASH-TABLE "Deck.")

SET (GETMASH "973.5" I 1009-HASH-TABLE "Deck.")

SET (GETMASH "973.7" I 1009
```

```
(SETF (GETHASH "879.9" ICD9-HASH-TABLE)
"Open wound(s) (multiple) of unspecified site(s) without mention of complication")
(SETF (GETHASH "879.9" ICD9-HASH-TABLE)
"Open wound(s) (multiple) of unspecified site(s), complicated")
(SETF (GETHASH "0FEN WOUND OF UPPER LIMB (880-887)" ICD9-HASH-TABLE)
"Open wound of shoulder and upper arm")
(SETF (GETHASH "880.0" ICD9-HASH-TABLE)
"Without mention of complication")
(SETF (GETHASH "880.1" ICD9-HASH-TABLE) "Complicated")
(SETF (GETHASH "880.2" ICD9-HASH-TABLE) "With tendon involvement")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Without mention of complication")
(GETHASH "1877.1" ICD9-HASH-TABLE) "Complicated")
(GETHASH "1878" ICD9-HASH-TABLE)
"Open wound of genital organs (external), including traumatic amputation")
(GETHASH "1878.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF (GETHASH "879.3" ICD9-HASH-TABLE)

"Abdominal wall, anterior, without mention of complication")

(SETF (GETHASH "879.3" ICD9-HASH-TABLE)

"Abdominal wall, anterior, complicated")

(SETF (GETHASH "879.5" ICD9-HASH-TABLE)

"Abdominal wall, lateral, without mention of complication")

(SETF (GETHASH "879.5" ICD9-HASH-TABLE)

"Abdominal wall, lateral, complicated")

(SETF (GETHASH "879.6" ICD9-HASH-TABLE)

"Other and unspecified parts of trunk, without mention of complication")

(SETF (GETHASH "879.7" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ETF (GETHASH "878.4" ICD9-HASH-TABLE)

"Yo'Va, wirthout mention of complication")

ETF (GETHASH "878.6" ICD9-HASH-TABLE)

"Yo'GTHASH "878.6" ICD9-HASH-TABLE)

"Yogina, wirthout mention of complication")

"Yogina, wirthout mention of complication")

ETF (GETHASH "878.8" ICD9-HASH-TABLE)

"Other and unspecified parts, without mention of complication")

ETF (GETHASH "878.9" ICD9-HASH-TABLE)

"Other and unspecified parts, complicated")

"Other and unspecified parts, complicated")

"The complication of complication of complication of complication of complication")
"Pharynx, without mention of complication")
(GETHASH "874.5" ICD9-HASH-TABLE) "Pharynx, complicated")
(GETHASH "874.5" ICD9-HASH-TABLE)
"Other and unspecified parts, without mention of complication")
(GETHASH "874.9" ICD9-HASH-TABLE)
                                                                                                                                                          "Other and unspecified parts, complicated")
(GETHASH '"875" ICD9-HASH-TABLE) "Open wound of chest (wall)")
(GETHASH '"875.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Open wound of other and unspecified sites, except limbs") (SETF (GETHASH ""879.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Breast, without mention of complication")
(GETHASH "879.1" ICD9-HASH-TABLE) "Breast, complicated")
(GETHASH "879.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                "Without mention of complication")
(GEHASH "876.1" ICD9-HASH-TABLE) "Complicated")
(GETHASH "877.1 ICD9-HASH-TABLE) "Open wound of buttock")
(GETHASH "877.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Penis, without mention of complication")
(GETHASH "878.1" ICD9-HASH-TABLE) "Penis, complicated")
(GETHASH "878.2" ICD9-HASH-TABLE)
"Scrotum and testes, without mention of complication")
(GETHASH "878.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                 "Without mention of complication")
(GETHASH "875.1" ICD9-HASH-TABLE) "Complicated")
(GETHASH "876" ICD9-HASH-TABLE) "Open wound of back")
(GETHASH "876.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Other and unspecified parts of tunk, complicated")
(GETHASH '"879.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
(SETF
                                                                                                                                                                                                                                                                                                (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
                                                                                                                                     (SETF
                                                                                                                                                                                                (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
(SETF
(SETF
```

```
(SET CETHASI "SELL" TCD9-MASHTARED"

(MASHTASI "SELL" TCD9-MASHTARED"

(SET CETHASI "SELL" TCD9-MASHTARED"

(MASHTASI "SELL" TCD9-MASHTARED"

(MASHTASI "SELL" TCD9-MASHTARED"

(SET CETHASI "SELL" TCD9-MASHTARED"

(MASHTASI "SELL" TCD9-MASHTARED"
```

"Open wound of foot except toe(s) alone") (SETF (GETHASH '"892.0" ICD9-HASH-TABLE)

mention of complication")

```
(SETF (GETHASH "897.2" ICD9-HASH-TABLE)

"Unilateral, below knee, complicated")

(SETF (GETHASH "897.2" ICD9-HASH-TABLE)

"Unilateral, at or above knee, without mention of complication")

(SETF (GETHASH "897.3" ICD9-HASH-TABLE)

"Unilateral, at or above knee, complicated")

(SETF (GETHASH "897.4" ICD9-HASH-TABLE)

"Unilateral, level not specified, without mention of complication")

(SETF (GETHASH "897.5" ICD9-HASH-TABLE)

"Unilateral lany level], without mention of complication")

(SETF (GETHASH "897.5" ICD9-HASH-TABLE)

"Bilateral lany level], without mention of complication")

(SETF (GETHASH "890.0" ICD9-HASH-TABLE)

"Injury to blood vessels of head and neck")

(SETF (GETHASH "900.0" ICD9-HASH-TABLE) "Carotid artery")

(SETF (GETHASH "900.0" ICD9-HASH-TABLE) "Carotid artery")

(SETF (GETHASH "900.0" ICD9-HASH-TABLE) "Carotid artery")

(SETF (GETHASH "900.0" ICD9-HASH-TABLE) "External lagular vein")

(SETF (GETHASH "900.0" ICD9-HASH-TABLE) "External lagular vein")

(SETF (GETHASH "900.0" ICD9-HASH-TABLE) "External lagular vein")

(SETF (GETHASH "900.3" ICD9-HASH-TABLE) "External jugular vein")

(SETF (GETHASH "900.8" ICD9-HASH-TABLE) "External jugular vein")

(SETF (GETHASH "900.9" ICD9-HASH-TABLE) "Other")

(SETF (GETHASH "900.9" ICD9-HASH-TABLE) "Other")
                                                                                                                                                                                                                                                                                                                                                                                                     "Without mention of complication")
(GETHASH "1894_1" ICD9-HASH-TABLE) "Complicated")
(GETHASH "1894_1" ICD9-HASH-TABLE) "With tendon involvement")
(GETHASH "1895" ICD9-HASH-TABLE)
"Traumatic amputation of toe(s) (complete) (partial)")
(GETHASH "1895_0" ICD9-HASH-TABLE)
"Without mention of complication")
(GETHASH "1895_1" ICD9-HASH-TABLE)
(GETHASH "1895_1" ICD9-HASH-TABLE)
(GETHASH "1895_1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Traumatic amputation of foot (complete) (partial)")
(GETHASH "896.0" ICD9-HASH-TABLE)
"Unilateral, without mention of complication")
(GETHASH "896.1" ICD9-HASH-TABLE) "Unilateral, complicated")
(GETHASH "896.2" ICD9-HASH-TABLE)
(GETHASH '"892.1" ICD9-HASH-TABLE) "Complicated")
(GETHASH '"892.2" ICD9-HASH-TABLE) "With tendon involvement")
(GETHASH '"893" ICD9-HASH-TABLE) "Open wound of toe(s)")
(GETHASH '"893.0" ICD9-HASH-TABLE)
                                                                                                                                                                "Without mention of complication")
(GETHASH "893.1" ICD9-HASH-TABLE) "Complicated")
(GETHASH "893.1" ICD9-HASH-TABLE) "With tendon involvement")
(GETHASH "894" ICD9-HASH-TABLE)
"Multiple and unspecified open wound of lower limb")
(GETHASH "894.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Bilateral, without mention of complication")
(GETHASH "896.3" ICD9-HASH-TABLE) "Bilateral, complicated")
(GETHASH "897" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Unilateral, below knee, without mention of complication") (SETF (GETHASH ""897.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF (GETHASH "901.0" ICD9-HASH-TABLE) "Thoracic aorta")
(SETF (GETHASH "901.0" ICD9-HASH-TABLE) "Thoracic aorta")
(SETF (GETHASH "901.1" ICD9-HASH-TABLE)
"Innominate and subclavian arteries")
(SETF (GETHASH "901.2" ICD9-HASH-TABLE) "Superior vena cava")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Traumatic amputation of leg(s) (complete) (partial)") (SETF (GETHASH "897.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Unspecified bloodvessel of head and neck") (SETF (GETHASH ""901" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
(SETF
                                                                                                                                                                                                           (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
```

```
(SETE (CETMASH "901.3" ICD9+HSSH-TABLE)

(SETE (CETMASH "901.4" ICD9+HSSH-TABLE)

(SETE (CETMASH "901.8" ICD9-HSSH-TABLE)

(SETE (CETMASH "902.1" ICD9-HSSH-TABLE)

(SETE (CETMASH "902.2" ICD9-HSSH-TABL
```

```
"Late effect of fracture of spine and trunk without mention of spinal cord lesion")
(SETF (GETHASH ""905.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF (GETHASH "905.8" ICD9-HASH-TABLE) "Late effect of tendon injury") (SETF (GETHASH "905.8" ICD9-HASH-TABLE) "Late effect of tendon injury")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Injury to blood vessels of lower extremity and unspecified sites")
(GETHASH "904.0" ICD9-HASH-TABLE) "Common femoral artery")
(GETHASH "904.1" ICD9-HASH-TABLE) "Superficial femoral artery")
(GETHASH "904.2" ICD9-HASH-TABLE) "Femoral veins")
(GETHASH "904.4" ICD9-HASH-TABLE) "Popliteal blood vessels")
(GETHASH "904.4" ICD9-HASH-TABLE) "Popliteal blood vessels")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Late effects of musculoskeletal and connective tissue injuries")
(SEFF (GETHASH ""905.0" LD9-HASH-TABLE)

"Late effect of fracture of skull and face bones")
(SETF (GETHASH ""905.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Tibial vessel(s, unspecified")

(SETF (GETHASH "904.51" ICD9-HASH-TABLE) "Anterior tibial artery")

(SETF (GETHASH "904.52" ICD9-HASH-TABLE) "Anterior tibial artery")

(SETF (GETHASH "904.53" ICD9-HASH-TABLE) "Posterior tibial artery")

(SETF (GETHASH "904.54" ICD9-HASH-TABLE) "Posterior tibial artery")

(SETF (GETHASH "904.54" ICD9-HASH-TABLE) "Deep plantar blood vessels")

(SETF (GETHASH "904.7" ICD9-HASH-TABLE) "Ober plantar blood vessels")

(SETF (GETHASH "904.8" ICD9-HASH-TABLE)

(SETF (GETHASH "904.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF (GETHASH "905.5" ICD9-HASH-TABLE)

(SETF (GETHASH "905.5" ICD9-HASH-TABLE)

"Late effect of fracture of multiple and unspecified bones")

(SETF (GETHASH "905.6" ICD9-HASH-TABLE) "Late effect of dislocation")

(SETF (GETHASH "905.7" ICD9-HASH-TABLE)
"Multiple blood vessels of abdomen and pelvis")

(SETE (GETHASH "902.8" ICD9-HASH-TABLE)

(SETE (GETHASH "902.9" ICD9-HASH-TABLE)

"Unspecified blood vessel of abdomen and pelvis")

(SETE (GETHASH "903" ICD9-HASH-TABLE)

"Injury to blood vessels of upper extremity")

(SETE (GETHASH "903.0" ICD9-HASH-TABLE)

"Axillary vessel(s), unspecified")

(SETE (GETHASH "903.0" ICD9-HASH-TABLE)

"Axillary vessel(s), unspecified")

(SETE (GETHASH "903.1" ICD9-HASH-TABLE)

"SETE (GETHASH "903.1" ICD9-HASH-TABLE)

(SETE (GETHASH "903.2" ICD9-HASH-TABLE)

(SETE (GETHASH "903.3" ICD9-HASH-TABLE)

(SETE (GETHASH "903.3" ICD9-HASH-TABLE)

(SETE (GETHASH "903.4" ICD9-HASH-TABLE)

(SETE (GETHASH "903.8" ICD9-HASH-TABLE)

"Other specified blood vessels of upper extremity")

(SETE (GETHASH "903.9" ICD9-HASH-TABLE)

"Other specified blood vessels of upper extremity")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF (GETHASH ""906" ICD9-HASH-TABLE)
"Late effects of injuries to skin and subcutaneous tissues")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Popliteal vessel(s), unspecified"
(GETHASH ""904.42" ICD9-HASH-TABLE) "Popliteal artery")
(GETHASH ""904.42" ICD9-HASH-TABLE) "Popliteal vein")
(GETHASH ""904.5" ICD9-HASH-TABLE) "Tibial blood vessels")
(GETHASH ""904.50" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Unspecified blood vessel of lower extremity")
(SETF (GETHASH '"904.9" ICD9-HASH-TABLE) "Unspecified site")
(SETF (GETHASH '"905" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Late effect of fracture of upper extremities") (SETF (GETHASH ""905.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF (GETHASH ""903.9" ICD9-HASH-TABLE)
"Unspecified blood vessel of upper extremity")
(SETF (GETHASH ""1904" ICD9-HASH-TABLE)
"Tailing to blood vessel of lower extremity and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Late effect of fracture of neck of femur")
(SETF (GETHASH "905.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
```

```
"Late effect of injury to cranial nerve")

(SETF (CETHASH "397.2" ICD9-HASH-TABLE)

"Late effect of injury to cranial nerve")

(SETF (CETHASH "397.3" ICD9-HASH-TABLE)

(SETF (CETHASH "397.3" ICD9-HASH-TABLE)

(SETF (CETHASH "397.4" ICD9-HASH-TABLE)

(SETF (CETHASH "397.4" ICD9-HASH-TABLE)

"Late effect of injury to peripheral nerve of shoulder girdle and upper limb")

(SETF (CETHASH "397.5" ICD9-HASH-TABLE)

"Late effect of injury to peripheral nerve of pelvic girdle and lower limb")

(SETF (CETHASH "397.9" ICD9-HASH-TABLE)

"Late effect of injury to other and unspecified nerve")

(SETF (CETHASH "398.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CSETF (GETHASH "908 LUZ-THANATIARLE)

(SETF (GETHASH "908.0" ICD9-HASH-TARLE)

(SETF (GETHASH "908.0" ICD9-HASH-TARLE)

(SETF (GETHASH "908.1" ICD9-HASH-TARLE)

(SETF (GETHASH "908.2" ICD9-HASH-TARLE)

(SETF (GETHASH "908.2" ICD9-HASH-TARLE)

(SETF (GETHASH "908.2" ICD9-HASH-TARLE)

"Late effect of internal injury to other internal organs")

(SETF (GETHASH "908.3" ICD9-HASH-TARLE)

"Late effect of injury to blood vessel of head, neck, and extremities")

(SETF (GETHASH "908.5" ICD9-HASH-TARLE)

"Late effect of injury to blood vessel of thorax, abdomen, and pelvis")

(SETF (GETHASH "908.5" ICD9-HASH-TARLE)

"Late effect of foreign body in orifice")

(SETF (GETHASH "908.6" ICD9-HASH-TARLE)

"Late effect of certain complications of trauma")

(SETF (GETHASH "908.6" ICD9-HASH-TARLE)

"Late effect of certain complications of trauma")
                                                                                                            "Late effect of open wound of extremities without mention of tendon injury")
(GETHASH "1906.2" ICD9-HASH-TABLE)
(GETHASH "1906.3" ICD9-HASH-TABLE)
(GETHASH "1906.4" ICD9-HASH-TABLE) "Late effect of contusion")
(GETHASH "1906.4" ICD9-HASH-TABLE) "Late effect of crushing")
(GETHASH "1906.5" ICD9-HASH-TABLE)
"Late effect of burn of eye, face, head, and neck")
(GETHASH "1906.6" ICD9-HASH-TABLE)
"Late effect of burn of eye, face, head, and neck")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Late effect of certain other external causes")
(SETF (GETHASH "'909.5" ICD9-HASH-TABLE)
"Late effect of adverse effect of drug, medicinal or biological substance")
(SETF (GETHASH "'909.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Late effect of poisoning due to drug, medicinal or biological substance")
(SETF (GETHASH ""909.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Late effect of intracranial injury without mention of skull fracture") (SETF (GETHASH ""907.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Late effect of toxic effects of nonmedical substances") (SETF (GETHASH "909.2" ICD9-HASH-TABLE) "Late effect of radiation") (SETF (GETHASH "909.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Late effect of complications of surgical and medical care")
(SETF (GETHASH "909.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Late effects of other and unspecified external causes")
(SETF (GETHASH ""909.0" ICD9-HASH-TABLE)
                                       "Late effect of open wound of head, neck, and trunk")
(SETF (GETHASH ""906.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Late effect of burns of other specified sites")
(SETF (GETHASH "906.9" ICD9-HASH-TABLE)
"Late effect of burn of unspecified site")
(SETF (GETHASH "907" ICD9-HASH-TABLE)
"Late effects of injuries to the nervous system")
(SETF (GETHASH "907.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Late effect of burn of other extremities")
(GETHASH '"906.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Late effect of burn of wrist and hand") (SETF (GETHASH ""906.7" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Late effect of unspecified injury") (SETF (GETHASH "909" ICD9-HASH-TABLE)
(SETF (GETHASH '"906.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                    (SETF (SETF (SETF )
                                                                                                                                                                         (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
```

```
Other and unspecified superficial injury of shoulder and upper arm without mention of infection")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Superficial foreign body (splinter) without major open wound and without mention of infection")
"Superficial foreign body (splinter)
"Superficial foreign body (splinter)
"Superficial foreign body (splinter) without major open wound, infected")
"Superficial foreign body (splinter)
"Other and unspecified superficial injury of face, neck, and scalp without mention of infection")
(GETHASH ""910.9" ICD9-HASH-TABLE)
"Other and unspecified superficial injury of face, neck, and scalp, infected")
(GETHASH ""911." ICD9-HASH-TABLE) "Superficial injury of trunk")
(GETHASH ""911.0" ICD9-HASH-TABLE)
"Abrasion or friction burn without mention of infection")
(GETHASH ""911.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Superficial foreign body (splinter) without major open wound and without mention of infection")
(GETHASH "1911.7" ICD9-HASH-TABLE)
"Superficial foreign body (splinter) without major open wound, infected")
"Superficial foreign body (splinter) without major open wound, infected")
"Other and unspecified superficial injury of trunk without mention of infection")
(GETHASH "1911.9" ICD9-HASH-TABLE)
"Other and unspecified superficial injury of trunk, infected")
"Other and unspecified superficial injury of trunk, infected")
"Superficial injury of shoulder and upper arm")
"Superficial injury of shoulder and upper arm")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Superficial foreign body (splinter) without major open wound and without mention of infection")
GETHASH ""912.7" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Other and unspecified superficial injury of shoulder and upper arm, infected")
(GETHASH '"913" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Superficial foreign body (splinter) without major open wound, infected")
GETHASH ""912.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Abrasion or friction burn without mention of infection") (GETHASH "1912." ICD9-HASH-TARLE)
"Abrasion or friction burn, infected")
(CETHASH "1912.2" ICD9-HASH-TARLE)
Late effect of other and unspecified external causes") (GETHASH ""910" ICD9-HASH-TABLE) (Superficial injury of face, neck, and scalp except eye") (GETHASH ""910.0" ICD9-HASH-TABLE)
                                                                                                                              "Abrasion or friction burn without mention of infection") (GETHASH "1910.1" ILD9-HASH-TABLE) (GETHASH "1910.2" ICD9-HASH-TABLE) (GETHASH ""910.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                              Insect bite, nonvenomous, without mention of infection")
GETHASH '"910.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Insect bite, nonvenomous, without mention of infection")
(GETHASH '"911.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Insect bite, nonvenomous, without mention of infection")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (GETHASH '"912.3" ICD9-HASH-TABLE) "Blister, infected")
(GETHASH '"912.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (GETHASH '"911.3" ICD9-HASH-TABLE) "Blister, infected")
(GETHASH '"911.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                          (GETHASH '"910.3" ICO9-HASH-TABLE) "Blister, infected")
(GETHASH '"910.4" ICO9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Superficial injury of elbow, forearm, and wrist")
(SETF (GETHASH ""913.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ister without mention of infection")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        'Blister without mention of infection")
                                                                                                                                                                                                                                                                  Blister without mention of infection")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Abrasion or friction burn, infected")
(GETHASH ""911.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                            Insect bite, nonvenomous, infected")
GETHASH '"910.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Insect bite, nonvenomous, infected")
(GETHASH "911.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Insect bite, nonvenomous, infected")
(GETHASH '"912.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (GETHASH '"912.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ""912.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (GETHASH '"912.8"
                                                                                                                                                                                                                                                                                                                                                                                                (GETHASH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETHASH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF (GETHASH
                                     (SETF (GETHASH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
                                                                                                      (SETF
                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                (SETF
                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
```

```
"Superficial foreign body (Splinter) without major open wound and without mention of infection")

(SETF (GETHASH "913.7" ICD9-HASH-TABLE)

(SETF (GETHASH "913.8" ICD9-HASH-TABLE)

(SETF (GETHASH "913.9" ICD9-HASH-TABLE)

"Other and unspecified superficial injury of elbow, forearm, and wrist without mention of infection")

(SETF (GETHASH "913.9" ICD9-HASH-TABLE)

"Other and unspecified superficial injury of elbow, forearm, and wrist, infected")

(SETF (GETHASH "913.9" ICD9-HASH-TABLE)

"Superficial injury of hand(s) except finger(s) alone")

(SETF (GETHASH "914.0" ICD9-HASH-TABLE)

"Superficial injury of hand(s) except finger(s) alone")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Superficial foreign body (splinter) without major open wound and without mention of infection") (GFHASH ""915.7" ICO9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Superficial foreign body (splinter) without major open wound and without mention of infection") (GETHASH '"914.7" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Superficial foreign body (splinter) without major open wound, infected")

SETF (GETHASH "1914.8" ICO9-HASH-TABLE)
"Other and unspecified superficial injury of hand without mention of infection")

SETF (GETHASH "1914.9" ICO9-HASH-TABLE)
"Other and unspecified superficial injury of hand, infected")

SETF (GETHASH "1915.0" ICO9-HASH-TABLE)
"Abrasion or friction burn without mention of infection")

SETF (GETHASH "1915.1" ICO9-HASH-TABLE)
"Abrasion or friction burn infected")

SETF (GETHASH "1915.2" ICO9-HASH-TABLE)
"Blister without mention of infection")

SETF (GETHASH "1915.3" ICO9-HASH-TABLE)
"Blister without mention of infection")

SETF (GETHASH "1915.4" ICO9-HASH-TABLE)
"Blister without mention of infection")

SETF (GETHASH "1915.4" ICO9-HASH-TABLE)
"SETF (GETHASH "1915.4" ICO9-HASH-TABLE)
"SETF (GETHASH "1915.4" ICO9-HASH-TABLE)
"Theoet bite, nonvenomous, without mention of infection")
"Theoet bite nonvenomous, without mention of infection")
"Theoet bite nonvenomous infected")
"Theoet bite nonvenomous infected")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Superficial foreign body (splinter) without major open wound, infected")
(SETF (GETHASH "915.8" ICD9-HASH-TABLE)
"Other and unspecified superficial injury of fingers without mention of infection")
(SETF (GETHASH "915.9" ICD9-HASH-TABLE)
"Other and unspecified superficial injury of fingers, infected")
"Abrasion or friction burn without mention of infection")
(SETF (GETHASH "013.1" ICD9-HASH-TABLE)
"Abrasion or friction burn, infected")
(SETF (GETHASH "913.2" ICD9-HASH-TABLE)
(SETF (GETHASH "913.3" ICD9-HASH-TABLE)
(SETF (GETHASH "913.3" ICD9-HASH-TABLE) "Blister, infected")
(SETF (GETHASH "913.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Abrasion of friction burn without mention of infection")
(GETHASH "914.1" ICD9-HASH-TABLE)
(GETHASH "914.2" ICD9-HASH-TABLE)
(GETHASH "914.2" ICD9-HASH-TABLE)
(GETHASH "914.3" ICD9-HASH-TABLE)
(GETHASH "914.3" ICD9-HASH-TABLE)
(GETHASH "914.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                             "Insect bite, nonvenomous, without mention of infection") (SETF (GETHASH ""913.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        friction burn without mention of infection")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF (GETMASH "916.0" ICD9-HASH-TABLE)
"Abrasion or friction burn without mention of infection"
(SETF (GETHASH "916.1" ICD9-HASH-TABLE)
"Abrasion or friction burn, infected")
(SETF (GETHASH "916.2" ICD9-HASH-TABLE)
"Blister without mention of infection")
(SETF (GETHASH "916.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Superficial injury of hip, thigh, leg, and ankle")
GETHASH ""916.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Insect bite, nonvenomous, infected")
GETHASH '"914.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Insect bite, nonvenomous, infected")
(SETF (GETHASH "915.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                          "Insect bite, nonvenomous, infected")
(GETHASH '"913.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF (GETHASH '"916"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF (GETHASH ""
                                                                                                                                                                                                                                                                                                                                                                                                   (SETF (GETHASH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
```

```
"Other and unspecified superficial injury of hip, thigh, leg, and ankle without mention of infection") (SETF (GETHASH ""916.9" ICD9-HASH-TABLE) "Other and unspecified superficial injury of hip, thigh, leg, and ankle, infected") (SETF (GETHASH ""917" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Superficial foreign body (splinter) without major open wound and without mention of infection")

(SETF (GETHASH "917.7" ICD9-HASH-TABLE)

"Superficial foreign body (splinter) without major open wound, infected")

(SETF (GETHASH "917.8" ICD9-HASH-TABLE)

(SETF (GETHASH "917.9" ICD9-HASH-TABLE)

"Other and unspecified superficial injury of foot and toes without mention of infection")

(SETF (GETHASH "918" ICD9-HASH-TABLE)

"Other and unspecified superficial injury of foot and toes, infected")
                                                                                                                                                                                                   "Superficial foreign body (splinter) without major open wound and without mention of infection") (SETF (GETHASH ""916.7" ICD9-HASH-TABLE)
"Superficial foreign body (splinter) without major open wound, infected") (SETF (GETHASH ""916.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Superficial foreign body (splinter) without major open wound and without mention of infection") (SETF (GETHASH ""919.7" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Superficial foreign body (splinter) without major open wound, infected") (SETF (GETHASH ""919.8" ICD9-HASH-TABLE)
"Other and unspecified superficial injury without mention of infection") (SETF (GETHASH ""919.9" LCD9-HASH-TABLE)
"Other and unspecified superficial injury, infected") (SETF (GETHASH ""920" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Superficial injury of eye and adhexa")
"Superficial injury of eye and adhexa")
(GETHASH "1918.0" ICD9-HASH-TARLE) "Eyelids and periocular area")
(GETHASH "1918.1" ICD9-HASH-TARLE) "Conjunctiva")
(GETHASH "1918.2" ICD9-HASH-TARLE)
"Other and unspecified superficial injuries of eye")
(GETHASH "1919" ICD9-HASH-TARLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Superficial injury of other, multiple, and unspecified sites") (SETF (GETHASH "919.0" ICD9-HASH-TABLE) "Abrasion or friction burn without mention of infection")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Contusion of face, scalp, and neck except eye(s)")
(SETF (GETHASH "921. ICD9-HASH-TABLE) "Contusion of eye and adnexa")
(SETF (GETHASH "921.0" ICD9-HASH-TABLE) "Black eye, NOS")
(SETF (GETHASH "921.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF (GETHASH "917" ICDO-WASH-TABLE)

"Superficial injury of foot and toe(s)")
(SETF (GETHASH "917.0" ICD9-HASH-TABLE)

"Abrasion or friction burn without mention of infection")
(SETF (GETHASH "917.1" ICD9-HASH-TABLE)

"Abrasion or friction burn, infected")
(SETF (GETHASH "917.2" ICD9-HASH-TABLE)

"Blister without mention of infection")
(SETF (GETHASH "917.4" ICD9-HASH-TABLE)
"Insert hits management infection")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Insect bite, nonvenomous, without mention of infection")
(SETF (GETHASH ""919.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Insect bite, nonvenomous, without mention of infection") (SETF (GETHASH "917.8 LD9 HABLE) "Insect bite, nonvenomous, infected") (SETF (GETHASH "917.6" ICD9-HASH-TABLE)
                                   "Insect bite, nonvenomous, without mention of infection")
(SETF (GETHASH ""916.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Blister without mention of infection")
(GETHASH "919.3" ICD9-HASH-TABLE) "Blister, infected")
(GETHASH "919.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF (GETHASH ""919.1" ICD9-HASH-TABLE)
"Abrasion or friction burn, infected")
(SETF (GETHASH ""919.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Insect bite, nonvenomous, infected")
                                                                                                                   "Insect bite, nonvenomous, infected")
(SETF (GETHASH "916.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF (GETHASH '"919.6" ICD9-HASH-TABLE)
(SETF (GETHASH '"916.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
```

Contusion of eyelids and periocular area")

```
SETF (CETMSH "921.2" ICO9-HASH-TABLE) "Contusion of orbital tissues")
SETF (CETMSH "921.2" ICO9-HASH-TABLE) "Contusion of eyeball "SETF (CETMSH "922.2" ICO9-HASH-TABLE) "Contusion of eyeball "SETF (CETMSH "922.2" ICO9-HASH-TABLE) "Contusion of eyeball "SETF (CETMSH "922.2" ICO9-HASH-TABLE) "Matchia and "National Actional Acti
```

```
(SETF (CETHASH "927 OI TOD9-MSH-TABLE "Scapular region")
(SETF (CETHASH "927 OI TOD9-MSH-TABLE "ANITHER PRESON")
(SETF (CETHASH "927 OI TOD9-MSH-TABLE "ANITHER "ANITHER
```

```
(SETF (GETHASH "940.9" ICD9-HASH-TABLE)

(SETF (GETHASH "940.9" ICD9-HASH-TABLE)

(SETF (GETHASH "941.0" ICD9-HASH-TABLE)

(SETF (GETHASH "941.0" ICD9-HASH-TABLE) "Burn of face, head, and neck")

(SETF (GETHASH "941.0" ICD9-HASH-TABLE) "Burn of face, head, and neck")

(SETF (GETHASH "941.0" ICD9-HASH-TABLE) "Erythema [first degree]")

(SETF (GETHASH "941.1" ICD9-HASH-TABLE) "Erythema [first degree]")

(SETF (GETHASH "941.3" ICD9-HASH-TABLE) "Erythema [first degree]")

(SETF (GETHASH "941.4" ICD9-HASH-TABLE)

"Full-thickness skin loss [third degree NOS]")

(SETF (GETHASH "941.4" ICD9-HASH-TABLE)

"Deep necrosis of underlying tissues [deep third degree] without mention of loss of a body part")

(SETF (GETHASH "942.0" ICD9-HASH-TABLE) "Burn of trunk")

(SETF (GETHASH "942.0" ICD9-HASH-TABLE) "Unspecified degree]")

(SETF (GETHASH "942.0" ICD9-HASH-TABLE) "Unspecified degree]")

(SETF (GETHASH "942.0" ICD9-HASH-TABLE) "Erythema [first degree]")

(SETF (GETHASH "942.0" ICD9-HASH-TABLE) "Erythema [first degree]")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF (GETHASH "942.4" ICD9-HASH-TARLE)

(SETF (GETHASH "942.4" ICD9-HASH-TARLE)

"Deep necrosis of underlying tissues [deep third degree] without mention of loss of a body part")

(SETF (GETHASH "942.4" ICD9-HASH-TARLE)

"Deep necrosis of underlying tissues [deep third degree] with loss of a body part")

(SETF (GETHASH "943." ICD9-HASH-TARLE)

"Burn of upper limb, except wrist and hand")

(SETF (GETHASH "943.0" ICD9-HASH-TARLE) "Unspecified degree")

(SETF (GETHASH "943.1" ICD9-HASH-TARLE) "Erythema [first degree]")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF (GETHASH "1944.S" ICO9-HASH-TABLE)

(SETF (GETHASH "1944.S" ICO9-HASH-TABLE)

"Deep necrosis of underlying tissues [deep third degree] without mention of loss of a body part")

(SETF (GETHASH "1945" ICO9-HASH-TABLE) "Burn of lower limb(s)")

(SETF (GETHASH "1945.0" ICO9-HASH-TABLE) "Unspecified degree")

(SETF (GETHASH "1945.1" ICO9-HASH-TABLE) "Erythema [first degree]")

(SETF (GETHASH "1945.2" ICO9-HASH-TABLE) "Erythema [first degree]")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF (GETHASH "943.3" ICO9-HASH-TABLE)

(SETF (GETHASH "943.4" ICO9-HASH-TABLE)

"Enl1-thickness skin loss [second degree NOS]")

(SETF (GETHASH "943.4" ICO9-HASH-TABLE)

"Deep necrosis of underlying tissues [deep third degree] without mention of loss of a body part")

(SETF (GETHASH "943.5" ICO9-HASH-TABLE)

"Deep necrosis of underlying tissues [deep third degree] with loss of a body part")

(SETF (GETHASH "944.5" ICO9-HASH-TABLE) "Unspecified degree")

(SETF (GETHASH "944.0" ICO9-HASH-TABLE) "Erythema [first degree]")

(SETF (GETHASH "944.1" ICO9-HASH-TABLE) "Erythema [first degree]")

(SETF (GETHASH "944.3" ICO9-HASH-TABLE)

"Bisters, epidermal loss [second degree]")

(SETF (GETHASH "944.3" ICO9-HASH-TABLE)

"Bisters, epidermal loss [second degree]")
(SETF (GETHASH ""939.2" ICD9-HASH-TABLE) "Vulva and vagina")
(SETF (GETHASH ""939.3" ICD9-HASH-TABLE) "Penis")
(SETF (GETHASH ""939.9" ICD9-HASH-TABLE) "Unspecified site")
(SETF (GETHASH ""940" ICD9-HASH-TABLE) "Burn confined to eye and adnexa")
(SETF (GETHASH ""940.0" ICD9-HASH-TABLE)
"Chemical burn of eyelids and periocular area")
(SETF (GETHASH ""940.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Alkaline chemical burn of cornea and conjunctival sac") (SETF (GETHASH ""940.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                  "Other burns of eyelids and periocular area") (SETF (GETHASH ""940.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Other burn of cornea and conjunctival sac") (SETF (GETHASH ""940.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Blisters, epidermal loss [second degree]")
(SETF (GETHASH ""942.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Blisters, epidermal loss [second degree]")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF (GETHASH '"944.4" ICD9-HASH-TABLE)
```

```
(SETF (GETHASH "949.4" ILO9-HASH-TABLE)

(SETF (GETHASH "949.4" ILO9-HASH-TABLE)

(SETF (GETHASH "949.4" ILO9-HASH-TABLE)

(SETF (GETHASH "949.5" ILO9-HASH-TABLE)

(SETF (GETHASH "940.5" ILO9-HASH-TABLE)

(SETF (GETHASH "950" ILO9-HASH-TABLE)

(SETF (GETHASH "950" ILO9-HASH-TABLE)

(SETF (GETHASH "950.0" ILO9-HASH-TABLE)

(SETF (GETHASH "950.0" ILO9-HASH-TABLE) "Injury to optic chisam")

(SETF (GETHASH "950.0" ILO9-HASH-TABLE) "Injury to optic chisam")

(SETF (GETHASH "950.2" ILO9-HASH-TABLE) "Injury to collomotor nerve")

(SETF (GETHASH "951.0" ILO9-HASH-TABLE) "Injury to trochlear nerve")

(SETF (GETHASH "951.2" ILO9-HASH-TABLE) "Injury to trochlear nerve")

(SETF (GETHASH "951.2" ILO9-HASH-TABLE) "Injury to trigeminal nerve")

(SETF (GETHASH "951.2" ILO9-HASH-TABLE) "Injury to facial nerve")

(SETF (GETHASH "951.3" ILO9-HASH-TABLE) "Injury to acoustic nerve")
                                "Full-thickness skin loss [third degree NOS]")
(SETF (GETHASH "945.4" ICD9-HASH-TABLE)
"Deep necrosis of underlying tissues [deep third degree] without mention of loss of a body part")
"Deep necrosis of underlying tissues [deep third degree] with loss of a body part")
(SETF (GETHASH "946.1 ICD9-HASH-TABLE)
(SETF (GETHASH "946.0" ICD9-HASH-TABLE) "Unspecified degree")
(SETF (GETHASH "946.1" ICD9-HASH-TABLE) "Unspecified degree")
(SETF (GETHASH "946.1" ICD9-HASH-TABLE) "Erythema [first degree]")
(SETF (GETHASH "946.3" ICD9-HASH-TABLE)
"Blisters, epidermal loss [second degree]")
(SETF (GETHASH "946.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Deep necrosis of underlying tissues [deep third degree] without mention of loss of a body part")
(GETHASH ""946.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Deep necrosis of underlying tissues [deep third degree] with loss of a body part")

(GETHASH ""947" ICD9-HASH-TABLE) "Burn of internal organs")

(GETHASH ""947.0" ICD9-HASH-TABLE) "Mouth and pharynx")

(GETHASH ""947.0" ICD9-HASH-TABLE) "Larynx, trachea, and lung")

(GETHASH ""947.2" ICD9-HASH-TABLE) "Esophagus")

(GETHASH ""947.3" ICD9-HASH-TABLE) "Gastrointestinal tract")

(GETHASH ""947.3" ICD9-HASH-TABLE) "Vagina and uterus")

(GETHASH ""947.9" ICD9-HASH-TABLE) "Other specified sites")

(GETHASH ""947.9" ICD9-HASH-TABLE) "Unspecified site")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CETT (GETHASH "1948.1" ICD9-HASH-TABLE) "10-19 percent of body surface") (SETF (GETHASH "1948.1" ICD9-HASH-TABLE) "10-19 percent of body surface") (SETF (GETHASH "1948.1" ICD9-HASH-TABLE) "10-19 percent of body surface") (SETF (GETHASH "1948.3" ICD9-HASH-TABLE) "130-39 percent of body surface") (SETF (GETHASH "1948.4" ICD9-HASH-TABLE) "130-39 percent of body surface") (SETF (GETHASH "1948.4" ICD9-HASH-TABLE) "10-59 percent of body surface") (SETF (GETHASH "1948.8" ICD9-HASH-TABLE) "10-69 percent of body surface") (SETF (GETHASH "1948.8" ICD9-HASH-TABLE) "10-79 percent of body surface") (SETF (GETHASH "1948.8" ICD9-HASH-TABLE) "10-79 percent of body surface") (SETF (GETHASH "1948.9" ICD9-HASH-TABLE) "10-79 percent of body surface") (SETF (GETHASH "1948.9" ICD9-HASH-TABLE) "10-79 percent of body surface") (SETF (GETHASH "1949.1" ICD9-HASH-TABLE) "10-79 percent of body surface") (SETF (GETHASH "1949.1" ICD9-HASH-TABLE) "10-70-70 percent of body surface") (SETF (GETHASH "1949.1" ICD9-HASH-TABLE) "Unspecified degree") (SETF (GETHASH "1949.1" ICD9-HASH-TABLE) "Erythema [first degree]") (SETF (GETHASH "1949.1" ICD9-HASH-TABLE) "Erythema [first degree]") (SETF (GETHASH "1949.1" ICD9-HASH-TABLE) "Erythema [first degree]")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Burns classified according to extent of body surface involved") (SETF (GETHASH "948.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Full-thickness skin loss [third degree NOS]")
(GETHASH '"946.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Blisters, epidermal loss [second degree]")
(SETF (GETHASH ""949.3" ICD9-HASH-TABLE)
(GETHASH '"945.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
```

```
(SET (CETMSH "1931.6" IDD9—MSH-TABLE "Injury to accessory nerve")

(SET (CETMSH "1931.6" IDD9—MSH-TABLE "Injury to hypoglossal nerve")

(SET (CETMSH "1931.6" IDD9—MSH-TABLE "Injury to hypoglossal nerve")

(SET (CETMSH "1931.6" IDD9—MSH-TABLE "CETVICIA")

(SET (CETMSH "1932.0" IDD9—MSH-TABLE "Dorsal (thorracici)")

(SET (CETMSH "1932.1" IDD9—MSH-TABLE "CETVICIA")

(SET (CETMSH "1932.1" IDD9—MSH-TABLE "CETV
```

```
SEFF (CETHASI ""954. TIOP-HASH-TABLE)

(SEFF (CETHASI "955. TIOP-HASH-TABLE)

(SEFF (CETHAS
```

```
(SETF (GETMASH '1939.2" ICD9-MASH-TABLE) "Shoulder and upper arm")
(SETF (GETMASH '1939.3" ICD9-MASH-TABLE) "Blow, focetor things of the CETMASH '1939.3" ICD9-MASH-TABLE) "Blow, focetor things of the CETMASH '1939.4" ICD9-MASH-TABLE) "Blow, focetor things of the CETMASH '1939.5" ICD9-MASH-TABLE) "Ree: 169, and things")
(SETF (GETMASH '1930.9" ICD9-MASH-TABLE) "Ree: 169, and foct")
(SETF (GETMASH '1930.9" ICD9-MASH-TABLE) "Ree: 169, and foct")
(SETF (GETMASH '1930.9" ICD9-MASH-TABLE) "Ree: 169, and foct")
(SETF (GETMASH '1930.7" ICD9-MASH-TABLE) "Ree: 161, and foct")
(SETF (GETMASH '1930.7" ICD9-MASH-TABLE) "Antifungal antibiotics")
(SETF (GETMASH '1930.8" ICD9-MASH-TABLE) "Antifungal antibiotics")
(SETF (GETMASH '1931.8" ICD9-MASH-TABLE) "Antifungal antibiotics")
(SETF (GETMASH '1931.8" ICD9-MASH-TABLE) "Antifungal anti-infectives")
(SETF (GETMASH '1932.9" ICD9-MASH-TABLE) "Antifungal anti-infectives")
(SETF (GETMASH '1932.9" ICD9-MASH-TABLE) "Antifungal antifungar)
(SETF (GETMASH '1932.9" ICD9-MASH-TABLE) "Antifungal antifungar)
(SETF (GETMASH '1932.9" ICD9-MASH-TABLE) "Anti
```

"Vitamins, not elsewhere classified")

```
"Poisoning by other central nervous system depressants and anesthetics anesthetics") (SETF (GETHASH ""968.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Poisoning by analgesics, antipyretics, and antirheumatics")
(SETF (GETHASH ""965.0" ICD9-HASH-TARLE) "opiates and related narcotics")
(SETF (GETHASH ""965.00" ICD9-HASH-TARLE)
"Opium (alkaloids), unspecified")
(SETF (GETHASH ""965.01" ICD9-HASH-TARLE) "Heroin")
(SETF (GETHASH ""965.02" ICD9-HASH-TARLE) "Wethadone")
(SETF (GETHASH ""965.1" ICD9-HASH-TARLE) "STEICH "SETF (GETHASH ""965.4" ICD9-HASH-TARLE) "STEICH "SETF (GETHASH ""965.4" ICD9-HASH-TARLE)
"Aromatic analgesics, not elsewhere classified")
(SETF (GETHASH ""965.5" ICD9-HASH-TARLE)
"SETF (GETHASH ""965.6" ICD9-HASH-TARLE) "STEICH "STEICH "SETF (GETHASH ""965.6" ICD9-HASH-TARLE)"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Mixed sedatives, not elsewhere classified")
(SETF (GETHASH "967.8" ICD9-HASH-TABLE) "Other sedatives and hypnotics")
(SETF (GETHASH "967.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Antirheumatics [antiphlogistics]")
(GETHASH '"965.7" ICD9-HASH-TABLE) "Other non-narcotic analgesics")
(GETHASH '"965.8" ICD9-HASH-TABLE)
                                                                                                                                                                        "Poisoning by agents primarily affecting blood constituents")
(SEFF (GETHASH "1964.0" ICD9-HASH-TABLE) "Iron and its compounds")
(SEFF (GETHASH "1964.1" ICD9-HASH-TABLE)
"Liver preparations and other antianemic agents")
(SEFF (GETHASH "1964.2" ICD9-HASH-TABLE) "Anticoagulants")
(SEFF (GETHASH "1964.3" ICD9-HASH-TABLE) "Vitamin K [phytonadione]")
(SEFF (GETHASH "1964.4" ICD9-HASH-TABLE) "Fibrinolysis-affecting drugs")
(SEFF (GETHASH "1964.5" ICD9-HASH-TABLE)
(SEFF (GETHASH "1964.5" ICD9-HASH-TABLE)
(SEFF (GETHASH "1964.7" ICD9-HASH-TABLE)
(SEFF (GETHASH "1964.7" ICD9-HASH-TABLE)
(SEFF (GETHASH "1964.7" ICD9-HASH-TABLE)
                                                      "Other specified systemic agents")
(SETF (GETHASH '"963.9" ICD9-HASH-TABLE) "Unspecified systemic agent")
(SETF (GETHASH '"964" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Central nervous system muscle-tone depressants")
(SETF (GETHASH "968.1" ICD9-HASH-TABLE) "Halothane")
(SETF (GETHASH "968.2" ICD9-HASH-TABLE) "Other gaseous anesthetics")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF (GETHASH "966.0" ICD9-HASH-TABLE) "Notazolidine derivatives") (SETF (GETHASH "966.0" ICD9-HASH-TABLE) "Notazolidine derivatives") (SETF (GETHASH "966.1" ICD9-HASH-TABLE) "Hydantoin derivatives") (SETF (GETHASH "966.3" ICD9-HASH-TABLE) "Succinimides") (SETF (GETHASH "966.3" ICD9-HASH-TABLE) "Steppen "Other and unspecified anticonvulsants") (SETF (GETHASH "966.4" ICD9-HASH-TABLE) "Anti-Parkinsonism drugs") (SETF (GETHASH "966.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF (GETHASH "967.0" ICD9-HASH-TABLE) "Barbiturates")
(SETF (GETHASH "967.1" ICD9-HASH-TABLE) "Barbiturates")
(SETF (GETHASH "967.1" ICD9-HASH-TABLE) "Chloral hydrate group")
(SETF (GETHASH "967.3" ICD9-HASH-TABLE) "Bromine compounds")
(SETF (GETHASH "967.4" ICD9-HASH-TABLE) "Methaqualone compounds")
(SETF (GETHASH "967.5" ICD9-HASH-TABLE) "Glutethimide group")
(SETF (GETHASH "967.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF (GETHASH "'964.8" ICD9-HASH-TABLE)

"Other specified agents affecting blood constituents")

(SETF (GETHASH "'964.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Unspecified agents affecting blood constituents")
(SETF (GETHASH "965" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Other specified analgesics and antipyretics") (SETF (GETHASH "'965.9" ICD9-HASH-TABLE)
"Unspecified analgesic and antipyretic")
(SETF (GETHASH "'966" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Unspecified sedative or hypnotic")
(SETF (GETHASH '"963.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF (GETHASH '"968" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
(SETF
```

```
"Other and unspecified agents primarily affecting the cardiovascular system") (GETHASH ""973" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Parasympatholytics [anticholinergics and antimuscarinics] and spasmolytics")
(SETF (GETHASH "1971.2" ICD9-HASH-TARLE)
"Sympathomimetics [adrenergics]")
(SETF (GETHASH "1971.3" ICD9-HASH-TARLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Poisoning by drugs primarily affecting the autonomic nervous system") (SETF (GETHASH "971.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Poisoning by agents primarily affecting the cardiovascular system") (SETF (GETHASH ""972.0" ICD9-HASH-TABLE) "Cardiac rhythm regulators") (SETF (GETHASH ""972.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Cardiotonic glycosides and drugs of similar action")
(SETF (GETHASH "972.2" ICD9-HASH-TABLE)
(SETF (GETHASH "972.3" ICD9-HASH-TABLE)
(SETF (GETHASH "972.4" ICD9-HASH-TABLE) "Ganglion-blocking agents")
(SETF (GETHASH "972.4" ICD9-HASH-TABLE) "Coronary vasodilators")
(SETF (GETHASH "972.6" ICD9-HASH-TABLE) "Other vasodilators")
(SETF (GETHASH "972.7" ICD9-HASH-TABLE) "Other antihypertensive agents")
(SETF (GETHASH "972.7" ICD9-HASH-TABLE)
(SETF (GETHASH "'968.3" ICD9-HASH-TABLE) "Intravenous anesthetics")
(SETF (GETHASH "'968.4" ICD9-HASH-TABLE)
"Other and unspecified general anesthetics")
(SETF (GETHASH "'968.5" ICD9-HASH-TABLE)
"Surface [Topical] and infiltration anesthetics")
(SETF (GETHASH "'968.6" ICD9-HASH-TABLE)
"Peripheral nerve— and plexus-blocking anesthetics")
(SETF (GETHASH "'968.7" ICD9-HASH-TABLE)
(SETF (GETHASH "'968.9" ICD9-HASH-TABLE)
"Other and unspecified local anesthetics")
(SETF (GETHASH "'969.0" ICD9-HASH-TABLE)
"Poisoning by psychotropic agents")
(SETF (GETHASH "'969.0" ICD9-HASH-TABLE)
"STATE (GETHASH "'969.0" ICD9-HASH-TABLE)"
(SETF (GETHASH "'969.0" ICD9-HASH-TABLE)")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Sympatholytics [antiadrenergics")
(SETF (GETHASH "'971.9" ICD9-HASH-TABLE)
"Unspecified drug primarily affecting autonomic nervous system")
(SETF (GETHASH "'972" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF (GETHASH "'969.2" ICD9-HASH-TABLE)

(SETF (GETHASH "'969.2" ICD9-HASH-TABLE)

(SETF (GETHASH "'969.3" ICD9-HASH-TABLE)

"Other antipsychotics, neuroleptics, and major tranquilizers")

(SETF (GETHASH "'969.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Antivaricose drugs, including sclerosing agents")
(SETF (GETHASH "972.8" ICD9-HASH-TABLE) "Capillary-active drugs")
(SETF (GETHASH "972.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Benzodiazepine-based tranquilizers")
(SETF (GETHASH ""969.5" ICD9-HASH-TABLE) "Other tranquilizers")
(SETF (GETHASH ""969.6" ICD9-HASH-TABLE)
"Psychodysleptics [hallucinogens]")
(SETF (GETHASH ""969.7" ICD9-HASH-TABLE)
(SETF (GETHASH ""969.8" ICD9-HASH-TABLE)")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Poisoning by central nervous system stimulants")
(SETE (GETHASH "970.0" ICD9-HASH-TABLE) "Analeptics")
(SETE (GETHASH "970.0" ICD9-HASH-TABLE) "Opiate antagonists")
(SETE (GETHASH "970.8" ICD9-HASH-TABLE)
(CHETHASH "970.9" ICD9-HASH-TABLE)
(SETE (GETHASH "970.9" ICD9-HASH-TABLE)

"Unspecified central nervous system stimulants")
(SETE (GETHASH "970.9" ICD9-HASH-TABLE)

"Opisonia" (GETHASH "970.9" ICD9-HASH-TABLE)

"Poisonia" (GETHASH "970.9" ICD9-HASH-TABLE)

(SETE (GETHASH "970.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Other specified psychotropic agents") (SETF (GETHASH "969.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Parasympathomimetics [cholinergics]") (SETF (GETHASH ""971.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Unspecified psychotropic agent") (SETF (GETHASH '"970" ICD9-HASH-TABLE)
```

(SETF (GETHASH

```
CERT CECHASH "1947 ILOU-MASH-HARLE" Wercurfal diuretics")

(SETF (CETHASH "1947 ILOU-MASH-HARLE" Wercurfal diuretics")

(SETF (CETHASH "1941 ILOU-MASH-TABLE")

(SETF (CETHASH "1942 ILOU-MASH-TABLE")

(SETF (CETHASH "1942 ILOU-MASH-TABLE")

(SETF (CETHASH "1944 ILOU-MASH-TABLE")

(SETF (CETHASH "1944 ILOU-MASH-TABLE")

(SETF (CETHASH "1944 ILOU-MASH-TABLE")

(SETF (CETHASH "1944 ILOU-MASH-TABLE")

(SETF (CETHASH "1945 ILOU-MASH-TABLE")

(SETF (CETHASH "1945 ILOU-MASH-TABLE")

(SETF (CETHASH "1945 ILOU-MASH-TABLE")

(SETF (CETHASH "1957 ILOU-MASH-TABLE")

(SETF (CETHASH "1957 ILOU-MASH-TABLE")

(SETF (CETHASH "1955 ILOU-MASH-TABLE")

(SETF (CETHASH "1957 ILOU-MASH-TABLE")

(SETF 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Keratolytics, Keratoplastics, other hair treatment drugs and preparations")

(SETF (GETHASH "1976.5" ICD9-HASH-TABLE)

(SETF (GETHASH "1976.6" ICD9-HASH-TABLE)

"Anti-infectives and other drugs and preparations for ear, nose, and throat")

(SETF (GETHASH "1976.6" ICD9-HASH-TABLE)

(SETF (GETHASH "1976.8" ICD9-HASH-TABLE)

(SETF (GETHASH "1976.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Other specified agents primarily affecting the gastrointestinal system") (SETF (GETHASH ""973.9" ICD9-HASH-TABLE)
"Poisoning by agents primarily affecting the gastrointestinal system")
(GEHASH "'973.0" ICD9-HASH-TABLE)
"Antacids and antigastric secretion drugs")
(GEHASH "'973.1" ICD9-HASH-TABLE) "Encitant cathartics")
(GETHASH "'973.2" ICD9-HASH-TABLE) "Emollient cathartics")
(GETHASH "'973.3" ICD9-HASH-TABLE) "Emollient cathartics")
(GETHASH "'973.3" ICD9-HASH-TABLE) "Encitant atomia drugs")
(GETHASH "'973.4" ICD9-HASH-TABLE) "Indigiarheal drugs")
(GETHASH "'973.8" ICD9-HASH-TABLE) "Emetics")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Poisoning by other and unspecified drugs and medicinal substances") (SETF (GETHASH "1977.0" ICD9-HASH-TABLE) "Dietetics") (SETF (GETHASH "1977.1" ICD9-HASH-TABLE) "Lipotropic drugs") (SETF (GETHASH "1977.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Unspecified agent primarily affecting the gastrointestinal system") (SETF (GETHASH ""974" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Unspecified agent primarily affecting skin and mucous membrane") (SETF (GETHASH ""977" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Other agents primarily affecting skin and mucous membrane") (SETF (GETHASH ""976.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Local anti-infectives and anti-inflammatory drugs") (SETF (GETHASH "'976.1" ICD9-HASH-TABLE) "Antipruritics") (SETF (GETHASH "'976.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Emollients, demulcents, and protectants")
(SETF (GETHASH ""976.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Local astringents and local detergents")
(SETF (GETHASH '"976.3" ICD9-HASH-TABLE)
                                                                                                                                                         (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                       (SETF
(SETF
(SETF
(SETF
                                                                  (SETF
```

```
(SETF (GETHASH "979.9" ILOD-HASH-TABLE)

(SETF (GETHASH "979.9" ILOD-HASH-TABLE)

(SETF (GETHASH "979.9" ILOD-HASH-TABLE)

(SETF (GETHASH "980.0" ILOD-HASH-TABLE) "Toxic effect of alcohol")

(SETF (GETHASH "980.3" ILOD-HASH-TABLE) "Toxic effect of petroleum products")

(SETF (GETHASH "980.3" ILOD-HASH-TABLE) "Unspecified alcohol")

(SETF (GETHASH "980.3" ILOD-HASH-TABLE) "Unspecified alcohol")

(SETF (GETHASH "980.3" ILOD-HASH-TABLE) "Unspecified alcohol")

(SETF (GETHASH "982." ILOD-HASH-TABLE) "Gether than petroleum based")

(SETF (GETHASH "982." ILOD-HASH-TABLE) "Garbon tetrachloride")

(SETF (GETHASH "982." ILOD-HASH-TABLE) "Carbon tetrachloride")

(SETF (GETHASH "982.3" ILOD-HASH-TABLE) "Carbon tetrachloride")
                                                                                                                                                                                              "Other specified acud-invaled"

(SETF (GETHASH "977.9" ICD9-HASH-TABLE)

(SETF (GETHASH "978" ICD9-HASH-TABLE)

(SETF (GETHASH "978" ICD9-HASH-TABLE) "Poisoning by bacterial vaccines")

(SETF (GETHASH "978" ICD9-HASH-TABLE) "Poisoning by bacterial vaccines")

(SETF (GETHASH "978.1" ICD9-HASH-TABLE) "Poisoning by bacterial vaccines")

(SETF (GETHASH "978.2" ICD9-HASH-TABLE) "Pololer")

(SETF (GETHASH "978.2" ICD9-HASH-TABLE) "Plague")

(SETF (GETHASH "978.4" ICD9-HASH-TABLE) "Plague")

(SETF (GETHASH "978.2" ICD9-HASH-TABLE) "Piphtheria")

(SETF (GETHASH "978.6" ICD9-HASH-TABLE) "Poiphtheria")

(SETF (GETHASH "978.8" ICD9-HASH-TABLE)

"Pertussis vaccine, including combinations with a pertussis component")

(SETF (GETHASH "978.8" ICD9-HASH-TABLE)

"RETURN "978.8" ICD9-HASH-TABLE)

"Pertussis vaccine, including combinations with a pertussis component")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Mixed bacterial vaccines, except combinations with a pertussis component") (SETF (GETHASH ""979" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF (GETHASH "983" ICD9-HASH-TABLE)

"Toxic effect of corrosive aromatics, acids, and caustic alkalis")

(SETF (GETHASH "983.0" ICD9-HASH-TABLE) "Corrosive aromatics")

(SETF (GETHASH "983.1" ICD9-HASH-TABLE) "Corrosive aromatics")

(SETF (GETHASH "983.2" ICD9-HASH-TABLE) "Caustic alkalis")

(SETF (GETHASH "983.9" ICD9-HASH-TABLE) "Caustic, unspecified")

(SETF (GETHASH "983.9" ICD9-HASH-TABLE) "Caustic, unspecified")

(SETF (GETHASH "984. ICD9-HASH-TABLE) "Caustic, unspecified")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF (GETHASH "984.0" ICD9-HASH-TABLE) "Inorganic lead compounds") (SETF (GETHASH "984.0" ICD9-HASH-TABLE) "Inorganic lead compounds") (SETF (GETHASH "984.1" ICD9-HASH-TABLE) "Organic lead compounds") (SETF (GETHASH "984.9" ICD9-HASH-TABLE) "Other lead compounds") (SETF (GETHASH "984.9" ICD9-HASH-TABLE) "Unspecified lead compound") (SETF (GETHASH "985" ICD9-HASH-TABLE) "Toxic effect of other metals")
"Antidotes and chelating agents, not elsewhere classified") (GETHASH "1977.3" ICO9-HASH-TABLE) "Alcohol deterrents") (GETHASH "1977.4" ICO9-HASH-TABLE) "Pharmaceutical excipients") (GETHASH "1977.8" ICO9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF (GETHASH "979.0" ICD9-HASH-TABLE) "Smallpox vaccine")
(SETF (GETHASH "979.0" ICD9-HASH-TABLE) "Smallpox vaccine")
(SETF (GETHASH "979.1" ICD9-HASH-TABLE) "Rabies vaccine")
(SETF (GETHASH "979.2" ICD9-HASH-TABLE) "Yellow fever vaccine")
(SETF (GETHASH "979.3" ICD9-HASH-TABLE) "Wellow fever vaccine")
(SETF (GETHASH "979.4" ICD9-HASH-TABLE) "Wellow fever vaccine")
(SETF (GETHASH "979.9" ICD9-HASH-TABLE) "Wellow fever vaccine")
(SETF (GETHASH "979.9" ICD9-HASH-TABLE) "Other and unspecified viral and rickettsial vaccines")
(SETF (GETHASH "979.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Other chlorinated hydrocarbon solvents")
(SETF (GETHASH "'982.4" ICD9-HASH-TABLE) "Nitroglycol")
(SETF (GETHASH "'982.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Other and unspecified bacterial vaccines")
GETHASH '"978.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF (GETHASH
```

```
SETE CETNASH "1983.0" TOD9-MASH-TABLD" "Areactry and its compounder")
SETE CETNASH "1983.0" TOD9-MASH-TABLD" "Areactry and its compounder")
SETE CETNASH "1983.2" TOD9-MASH-TABLD" "Beryllism and its compounder")
SETE CETNASH "1983.4" TOD9-MASH-TABLD" "Beryllism and its compounder")
SETE CETNASH "1983.5" TOD9-MASH-TABLD" "Drive repectified metals")
SETE CETNASH "1983.9" TOD9-MASH-TABLD" Toxic effect of carbon monoxide")
SETE CETNASH "1983.9" TOD9-MASH-TABLD" Toxic effect of carbon monoxide")
SETE CETNASH "1983.9" TOD9-MASH-TABLD" Toxic effect of carbon monoxide")
SETE CETNASH "1983.9" TOD9-MASH-TABLD" Toxic effect of carbon monoxide")
SETE CETNASH "1983.9" TOD9-MASH-TABLD" Toxic effect of carbon monoxide")
SETE CETNASH "1983.1" TOD9-MASH-TABLD "Sulfur dioxide")
SETE CETNASH "1983.1" TOD9-MASH-TABLD "SULfu
```

```
"Unspecified adverse effect of drug, medicinal and biological substance (due) to correct medicinal substance properly administered")
(SETF (GETHASH "1995.3" ICD9-HASH-TABLE) "Allergy, unspecified")
(SETF (GETHASH "1995.4" ICD9-HASH-TABLE) "Shock due to anesthesia")
(SETF (GETHASH "1995.5" ICD9-HASH-TABLE) "Child maltreatment syndrome")
(SETF (GETHASH "1995.50" ICD9-HASH-TABLE) "Child abuse, unspecified")
(SETF (GETHASH "1995.51" ICD9-HASH-TABLE) "Child abuse, unspecified")
                           (SETF (GETHASH "991.9" TOD9-HASH-TABLE)

(SETF (GETHASH "991.9" TOD9-HASH-TABLE)

(SETF (GETHASH "992.0" ICD9-HASH-TABLE)

(SETF (GETHASH "992.0" ICD9-HASH-TABLE) "Fffects of heat and light")

(SETF (GETHASH "992.0" ICD9-HASH-TABLE) "Heat stroke and sunstroke")

(SETF (GETHASH "992.1" ICD9-HASH-TABLE) "Heat syncope")

(SETF (GETHASH "992.2" ICD9-HASH-TABLE) "Heat exhaustion, anhydrotic")

(SETF (GETHASH "992.4" ICD9-HASH-TABLE) "Heat exhaustion, unspecified")

(SETF (GETHASH "992.5" ICD9-HASH-TABLE) "Heat taxhaustion, unspecified")

(SETF (GETHASH "992.5" ICD9-HASH-TABLE) "Heat datigue, transient")

(SETF (GETHASH "992.9" ICD9-HASH-TABLE) "Heat dedma")

(SETF (GETHASH "992.9" ICD9-HASH-TABLE) "Unspecified heat effects")

(SETF (GETHASH "992.9" ICD9-HASH-TABLE) "Unspecified")

(SETF (GETHASH "993.1" ICD9-HASH-TABLE) "Barotrauma, oitic")

(SETF (GETHASH "993.0" ICD9-HASH-TABLE) "Barotrauma, sinus")

(SETF (GETHASH "993.1" ICD9-HASH-TABLE) "Barotrauma, sinus")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF (GETHASH "1994" ILO9-HASH-TABLE)

(SETF (GETHASH "1994" ILO9-HASH-TABLE)

"Unspecified of feter to f air pressure")

(SETF (GETHASH "1994.0" ILO9-HASH-TABLE)

"Drowning and nonfatal submersion")

(SETF (GETHASH "1994.2" ILO9-HASH-TABLE)
"Drowning and nonfatal submersion")

(SETF (GETHASH "1994.2" ILO9-HASH-TABLE) "Effects of thirst")

(SETF (GETHASH "1994.2" ILO9-HASH-TABLE) "Effects of thirst")

(SETF (GETHASH "1994.3" ILO9-HASH-TABLE) "Effects of thirst")

(SETF (GETHASH "1994.3" ILO9-HASH-TABLE) "Effects of thirst")

(SETF (GETHASH "1994.5" ILO9-HASH-TABLE)

"Exhaustion due to excessive exertion")

(SETF (GETHASH "1994.5" ILO9-HASH-TABLE)

"Asphyxiation and strangulation")

(SETF (GETHASH "1994.8" ILO9-HASH-TABLE)
"Asphyxiation and strangulation")

(SETF (GETHASH "1994.8" ILO9-HASH-TABLE)
"Asphyxiation and strangulation")

(SETF (GETHASH "1994.8" ILO9-HASH-TABLE)
"Other effects of external causes")

(SETF (GETHASH "1994.9" ILO9-HASH-TABLE)
"Other effects of external causes")

(SETF (GETHASH "1994.9" ILO9-HASH-TABLE)
"Cattain advance affects not alsowhere classified")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Child emotional/psychological abuse")
(GETHASH "995.52" ICD9-HASH-TABLE) "Child neglect (nutritional)")
(GETHASH "995.53" ICD9-HASH-TABLE) "Child sexual abuse")
(GETHASH "995.54" ICD9-HASH-TABLE) "Child physical abuse")
(GETHASH "995.53" ICD9-HASH-TABLE) "Child physical abuse")
(GETHASH "995.59" ICD9-HASH-TABLE) "Shaken infant syndrome")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Anaphylactic shock due to adverse food reaction")
(GETHASH '"995.60" ICD9-HASH-TABLE) "Due to unspecified food")
(GETHASH '"995.61" ICD9-HASH-TABLE) "Due to peanuts")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Certain adverse effects not elsewhere classified")
"Certain adverse effects not elsewhere classified")
(SETF (GETHASH "1995.1" ICD9-HASH-TABLE) "Angioneurotic edema")
(SETF (GETHASH "1995.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF (GETHASH "1993.3" ICD9-HASH-TABLE) "Caisson disease") (SETF (GETHASH "1993.4" ICD9-HASH-TABLE) "Caisson disease") (SETF (GETHASH "1993.4" ICD9-HASH-TABLE) (SETF (GETHASH "1993.8" ICD9-HASH-TABLE)
specified effects of reduced temperature")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Other specified effects of air pressure")
(GETHASH '"993.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Other child abuse and neglect")
(SETF (GETHASH '"995.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF (GETHASH
```

```
"Infection and inflammatory reaction due to internal prosthetic device, implant, and graft") (SETF (GETHASH ""996.60" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Wechanical complication of other specified prosthetic device, implant, and graft")

(SETF (GETHASH "'996.51" ICD9-HASH-TABLE) "Due to corneal graft")

(SETF (GETHASH "'996.52" ICD9-HASH-TABLE)

"Due to graft of other tissue, not elsewhere classified")

(SETF (GETHASH "'996.53" ICD9-HASH-TABLE)

"Due to ocular lens prosthesis")

(SETF (GETHASH "'996.53" ICD9-HASH-TABLE)

"SETF (GETHASH "'996.59" ICD9-HASH-TABLE)

"Due to other implant and internal device, not elsewhere classified")

(SETF (GETHASH "'996.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Mechanical complication of internal orthopedic device, implant, and graft") (SETF (GETHASH "996.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Due to automatic implantable cardiac defibrillator")
(SETF (GETHASH "1996.09" ICD9-HASH-TABLE) "Other")
(SETF (GETHASH "1996.1" ICD9-HASH-TABLE)
"Mechanical complication of other vascular device, implant, and graft")
(SETF (GETHASH "1996.2" ICD9-HASH-TABLE)
"Mechanical complication of nervous system device, implant, and graft")
(SETF (GETHASH "1996.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Mechanical complication of genitourinary device, implant, and graft") (SETF (GETHASH "'996.30" ICD9-HASH-TABLE)
(GETHASH "1995.62" ICD9-HASH-TABLE) "Due to crustaceans")
(GETHASH "1995.63" ICD9-HASH-TABLE) "Due to fruits and vegetables")
(GETHASH "1995.64" ICD9-HASH-TABLE) "Due to tree nuts and seeds")
(GETHASH "1995.66" ICD9-HASH-TABLE) "Due to fish")
(GETHASH "1995.66" ICD9-HASH-TABLE) "Due to food additives")
(GETHASH "1995.68" ICD9-HASH-TABLE) "Due to eggs")
(GETHASH "1995.68" ICD9-HASH-TABLE) "Due to eggs")
(GETHASH "1995.8" ICD9-HASH-TABLE) "Due to other specified food")
(GETHASH "1995.8" ICD9-HASH-TABLE) "Due to other specified food")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF (GETHASH "1996.03" ICD9-HASH-TABLE) "Due to coronary bypass graft") (SETF (GETHASH "1996.04" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Adult emotional/psychological abuse")
(SETF (CETHASH "1995.83" ICD9-HASH-TABLE) "Adult sexual abuse")
(SETF (CETHASH "1995.84" ICD9-HASH-TABLE) "Adult neglect (nutritional)")
(SETF (CETHASH "1995.85" ICD9-HASH-TABLE)
(SETF (CETHASH "1995.85" ICD9-HASH-TABLE)
(SETF (CETHASH "1995.89" ICD9-HASH-TABLE) "Other adult abuse and neglect")
(SETF (CETHASH "1995.89" ICD9-HASH-TABLE)
(SETF (CETHASH "1996" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Mechanical complication of cardiac device, implant, and graft")
(GETHASH ""996.00" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                               "Other specified adverse effects, NEC")
(SETF (GETHASH ""995.80" ICD9-HASH-TABLE)
"Adult maltreatment, unspecified")
(SETF (GETHASH ""995.81" ICD9-HASH-TABLE)
(SETF (GETHASH ""995.82" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Complications peculiar to certain specified procedures")
(SETF (GETHASH '"996.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Due to unspecified device, implant and graft")
(SETF (CETHASH "1996.61", ILIOP-HASH-TABLE)
"Due to cardiac device, implant and graft")
(SETF (GETHASH "1996.62" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Due to intrauterine contraceptive device") (SETF (GETHASH "'996.39" ICD9-HASH-TABLE) "Other") (SETF (GETHASH "'996.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Unspecified device, implant, and graft")
(SETF (GETHASH ""996.01" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Unspecified device, implant, and graft")
(SETF (GETHASH "'996.31" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Due to urethral [indwelling] catheter")
(SETF (GETHASH '"996.32" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Due to cardiac pacemaker (electrode)")
(SETF (GETHASH ""996.02" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF (GETHASH
                                                                                                                                         SETF
SETF
SETF
SETF
SETF
```

```
(SETF (GETHASH "'996.60" ICD9-HASH-TABLE)

(SETF (GETHASH "'996.60" ICD9-HASH-TABLE)

"Due to other genitourinary device, implant and graft")

(SETF (GETHASH "'996.60" ICD9-HASH-TABLE)

"Due to internal joint prosthesis")

(SETF (GETHASH "'996.70" ICD9-HASH-TABLE)

"Due to other internal prosthedic device, implant, and graft")

(SETF (GETHASH "'996.70" ICD9-HASH-TABLE)

"Other complications of internal (biological) (synthetic) prosthetic device, implant, and graft")

(SETF (GETHASH "'996.70" ICD9-HASH-TABLE)

"Other complications of internal (biological) (synthetic) prosthetic device, implant, and graft")

(SETF (GETHASH "'996.70" ICD9-HASH-TABLE)

"Due to uspecified device, implant, and graft")

(SETF (GETHASH "'996.73" ICD9-HASH-TABLE)

"Due to craft dialysis device, implant, and graft")

(SETF (GETHASH "'996.73" ICD9-HASH-TABLE)

"Due to variant device, implant, and graft")

(SETF (GETHASH "'996.73" ICD9-HASH-TABLE)

"Due to variant device, implant, and graft")

(SETF (GETHASH "'996.73" ICD9-HASH-TABLE)

"Due to genitourinary device, implant, and graft")

(SETF (GETHASH "'996.73" ICD9-HASH-TABLE)

"Due to genitourinary device, implant, and graft")

(SETF (GETHASH "'996.73" ICD9-HASH-TABLE)

"Due to other internal orthopedic device, implant, and graft")

(SETF (GETHASH "'996.73" ICD9-HASH-TABLE)

"Due to other internal orthopedic device, implant, and graft")

(SETF (GETHASH "'996.73" ICD9-HASH-TABLE)

"Due to other internal orthopedic device, implant, and graft")

(SETF (GETHASH "'996.78" ICD9-HASH-TABLE)

"Due to other internal orthopedic device, implant, and graft")

(SETF (GETHASH "'996.78" ICD9-HASH-TABLE)

"Due to other internal orthopedic device, implant, and graft")

(SETF (GETHASH "'996.78" ICD9-HASH-TABLE)

"Due to other internal orthopedic device, implant, and graft")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Complications affecting specified body systems, not elsewhere classified") (SETF (GETHASH "1997.0" ICD9-HASH-TABLE) "Nervous system complications") (SETF (GETHASH "1997.00" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF (GETHASH "9996.80" ICU9-HASH-TABLE)

(SETF (GETHASH "996.80" ICU9-HASH-TABLE)

(Transplanted organ, unspecified")

(SETF (GETHASH "996.81" ICU9-HASH-TABLE)

(SETF (GETHASH "996.82" ICU9-HASH-TABLE)

(SETF (GETHASH "996.82" ICU9-HASH-TABLE)

(SETF (GETHASH "996.84" ICU9-HASH-TABLE)

(SETF (GETHASH "996.84" ICU9-HASH-TABLE)

(SETF (GETHASH "996.89" ICU9-HASH-TABLE)

(SETF (GETHASH "996.89" ICU9-HASH-TABLE)

(SETF (GETHASH "996.99" ICU9-HASH-TABLE)

(COMPILICATIONS OF TEATER) ENTERING ORGAN

(SETF (GETHASH "996.90" ICU9-HASH-TABLE)

(COMPILICATIONS OF TEATER TABLE)

(SETF (GETHASH "996.90" ICU9-HASH-TABLE)

(SETF (GETHASH "996.90" ICU9-HASH-TABLE)

(SETF (GETHASH "996.90" ICU9-HASH-TABLE) "Grearm")

(SETF (GETHASH "996.90" ICU9-HASH-TABLE) "Finger(s)")

(SETF (GETHASH "996.90" ICU9-HASH-TABLE) "Finger(s)")

(SETF (GETHASH "996.90" ICU9-HASH-TABLE) "Finger(s)")

(SETF (GETHASH "996.90" ICU9-HASH-TABLE)

(SETF (GETHASH "996.90" ICU9-HASH-T
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Lower extremity, other and unspecified")
(SETF (GETHASH "'996.99" ICD9-HASH-TABLE) "Other specified body part")
(SETF (GETHASH ""997" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Due to other internal prosthetic device, implant, and graft") (SETF (GETHASH "'996.8" ICO9-HASH-TABLE)
"Complications of traces."
                                                                                                                                                                                            "Due to nervous system device, implant and graft")
(GETHASH "'996.64" ICD9 HASH-TARLE)
"Due to indwelling urinary catheter")
(GETHASH "'996.65" ICD9-HASH-TARLE)
"Due to vascular device, implant and graft")
(GETHASH "'996.63" ICD9-HASH-TABLE)
"Due to nervous swetch"
                                                                                                                                                                                                                                                                                                                                                                                        (SETF
                                                                                                                                        (SETF
                                                                                                                                                                                                                                                                   (SETF
```

(SETF (GETHASH "'997.01" ICD9-HASH-TABLE)
"Central nervous system complication")

```
"Complications affecting other specified body systems, not elsewhere classified") (GETHASH "'997.91" ICD9-HASH-TABLE) "Hypertension") (GETHASH "'997.99" ICD9-HASH-TABLE) "Other") (GETHASH "'998" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF (GETHASH "'998.7" ICD9-HASH-TABLE)

"Acute reaction to foreign substance accidentally left during a procedure")

(SETF (GETHASH "'998.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF (GETHASH "998.81" ICD9-HASH-TABLE)

"Chier specified complications of procedures, not elsewhere classified")

(SETF (GETHASH "998.81" ICD9-HASH-TABLE)

(SETF (GETHASH "998.82" ICD9-HASH-TABLE)

"Cataract fragments in eye following cataract surgery")

(SETF (GETHASH "998.83" ICD9-HASH-TABLE) "Non-healing surgical wound")

(SETF (GETHASH "998.89" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Accidental puncture or lacration during a procedure")
(SETF (GETHASH "1998.3" ICD9-HASH-TABLE) "Disruption of operation wound")
(SETF (GETHASH "1998.4" ICD9-HASH-TABLE)
"Foreign body accidentally left during a procedure")
(SETF (GETHASH "1998.5" ICD9-HASH-TABLE) "Postoperative infection")
(SETF (GETHASH "1998.5" ICD9-HASH-TABLE) "Comparative infection")
(SETF (GETHASH "1998.59" ICD9-HASH-TABLE)
(SETF (GETHASH "1998.59" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                "Digestrus system complications")
(GETHASH "1997.5" ICD9-HASH-TABLE) "Uninary complications")
(GETHASH "1997.6" ICD9-HASH-TABLE) "Mapuration stump complication")
(GETHASH "1997.6" ICD9-HASH-TABLE) "Mapuration stump complication")
(GETHASH "1997.6" ICD9-HASH-TABLE) "Neuroma of ampuration stump")
(GETHASH "1997.6" ICD9-HASH-TABLE) "Infection (chronic)")
(GETHASH "1997.9" ICD9-HASH-TABLE) "Other")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Complications of medical care, not elsewhere classified")
(SETF (GETHASH "999.0" ICD9-HASH-TABLE) "Generalized vaccinia")
(SETF (GETHASH "999.1" ICD9-HASH-TABLE) "Air embolism")
(SETF (GETHASH "999.2" ICD9-HASH-TABLE) "Other vascular complications")
(SETF (GETHASH "999.4" ICD9-HASH-TABLE) "Other infection")
(SETF (GETHASH "999.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Anaphylactic shock due to serum")
(SETF (GETHASH "1999.5" ICD9-HASH-TABLE) "Other serum reaction")
(SETF (GETHASH "1999.6" ICD9-HASH-TABLE) "ABO incompatibility reaction")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Other specified complications")
(SEFF (GETHASH "998.9" ICD9-HASH-TABLE)
"Unspecified complication of procedure, not elsewhere classified")
(SETF (GETHASH "999" ICD9-HASH-TABLE)
                                                                                                                                                                                                                 "Peripheral vascular complications")
(GETHASH "1997.3" ICD9-HASH-TABLE) "Respiratory complications")
(GETHASH "1997.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Other complications of procedures, NEC")
(GETHASH "1998.0" ICD9-HASH-TABLE) "Postoperative shock")
(GETHASH "1998.1" ICD9-HASH-TABLE)
"Hemorrhage or hematoma or seroma complicating a procedure")
(GETHASH "1998.11" ICD9-HASH-TABLE)
                                                                                                          "Other nervous system complications")
(GETHASH '"997.1" ICD9-HASH-TABLE) "Cardiac complications")
(GETHASH '"997.2" ICD9-HASH-TABLE)
                                      "Iatrogenic cerebrovascular infarction or hemorrhage")
(GETHASH ""997.09" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Hemorrhage complicating a procedure")
(SETF (GETHASH "'998.12" ICD9-HASH-TABLE)
"Hematoma complicating a procedure")
(SETF (GETHASH "'998.13" ICD9-HASH-TABLE)
"Seroma complicating a procedure")
(SETF (GETHASH ""998.2" ICD9-HASH-TABLE)
(GETHASH '"997,02" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Other postoperative infection") (SETF (GETHASH '"998.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                  (SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
       (SETF
                                                                            (SETF
                                                                                                                                                (SETF
(SETF
                                                                                                                                                                                                                                                       (SETF
(SETF
```

```
SETF (CETMAS) "1999. TICD-MASH-TABLE" (The transfusion reaction")

SETF (CETMAS) "1999. FICH-MASH-TABLE" (The transfusion reaction")

SETF (CETMAS) "1999. FICH-MASH-TABLE" (The transfusion reaction")

SETF (CETMAS) "1991. OF ICCO-MASH-TABLE" (The transfusion reaction")

SETF (CETMAS) "1991. OF ICCO-MASH-TABLE" (The transfusion reaction")

SETF (CETMAS) "1991. OF ICCO-MASH-TABLE "Industrial")

SETF (CETMAS) "1991. TICD-MASH-TABLE "Industrial")

SETF (CETMAS) "1991. TICD-MASH-TABLE "Industrial")

SETF (CETMAS) "1992. TICD-MASH-TABLE "Industrial" "Industrial")

SETF (CETMAS) "1992. TICD-MASH-TABLE "Industrial" "Industrial")

SETF (CETMAS) "1992. TICD-MASH-TABLE "Industrial" "I
```

```
CSTET CECRIASI "VOA, 5" ICO9-MASH-TABLD" "Common cold")

CSTET CECRIASI "VOA, 5" ICO9-MASH-TABLD" "Common cold")

CSTET CECRIASI "VOA, 5" ICO9-MASH-TABLD" "Influenza")

CSTET CECRIASI "VOA, 5" ICO9-MASH-TABLD" "Influenza")

CSTET CECRIASI "VOS. 1" ICO9-MASH-TABLD" "COPE SISTEMATION TO THE ACTION TO THE ACTION
```

```
(SET GETMASH "VOS. GET IOD-MASH-TABLE)

(SET G
```

"Diseases of respiratory system")

```
(SETE (GETMASH "V12.7" ICD9-MASH-TABLE) "Diseases of digestive system")

(SETE (GETMASH "V12.7" ICD9-MASH-TABLE)

(SETE
```

```
(SET (CETMASH "V16,0" TOD-MASH-TABLE) "Castroin restrinal tract")

(SET (CETMASH "V16,0" TOD-MASH-TABLE) "Tracthea, bronchus, and lung")

(SET (CETMASH "V16,4" TOD-MASH-TABLE) "Tracthea, bronchus, and lung")

(SET (CETMASH "V16,4" TOD-MASH-TABLE) "Great all organs")

(SET (CETMASH "V16,4" TOD-MASH-TABLE) "Latekemia")

(SET (CETMASH "V16,5" TOD-MASH-TABLE) "Latekemia")

(SET (CETMASH "V16,5" TOD-MASH-TABLE) "Latekemia")

(SET (CETMASH "V16,5" TOD-MASH-TABLE) "Latekemia")

(SET (CETMASH "V17,1" TOD-MASH-TABLE) "Depth marriol ordition")

(SET (CETMASH "V17,1" TOD-MASH-TABLE) "Other marriol ordition")

(SET (CETMASH "V17,1" TOD-MASH-TABLE) "Other marriol ordition")

(SET (CETMASH "V17,2" TOD-MASH-TABLE) "Arthmia")

(SET (CETMASH "V17,2" TOD-MASH-TABLE) "Arthmia")

(SET (CETMASH "V17,2" TOD-MASH-TABLE) "Arthmia")

(SET (CETMASH "V17,2" TOD-MASH-TABLE) "Other marriol ordition")

(SET (CETMASH "V17,2" TOD-MASH-TABLE) "Other marriol ordition")

(SET (CETMASH "V17,2" TOD-MASH-TABLE) "Other marriol ordition")

(SET (CETMASH "V17,2" TOD-MASH-TABLE) "Other paintourinary diseases")

(SET (CETMASH "V17,2" TOD-MASH-TABLE) "Other paintourinary diseases")

(SET (CETMASH "V13,2" TOD-MASH
```

```
(SETE (CETHASH "V22.0" ILOD-HASH-TABLE)

"Supervision of normal first pregnancy")

(SETE (CETHASH "V22.1" ILOD-HASH-TABLE)

"Supervision of cother normal pregnancy")

(SETE (CETHASH "V22.1" ILOD-HASH-TABLE)

"Supervision of high-risk pregnancy")

(SETE (CETHASH "V23.1" ILOD-HASH-TABLE)

"Supervision of high-risk pregnancy")

(SETE (CETHASH "V23.1" ILOD-HASH-TABLE)

"Pregnancy with history of infertility")

(SETE (CETHASH "V23.2" ILOD-HASH-TABLE)

"Pregnancy with history of trophoblastic disease")

(SETE (CETHASH "V23.3" ILOD-HASH-TABLE)

"Pregnancy with history of abortion")

(SETE (CETHASH "V23.3" ILOD-HASH-TABLE)

"Pregnancy with history of shortion")

(SETE (CETHASH "V23.4" ILOD-HASH-TABLE)

"Pregnancy with history of shortion")

(SETE (CETHASH "V23.4" ILOD-HASH-TABLE)

"Pregnancy with history of shortion")

(SETE (CETHASH "V23.4" ILOD-HASH-TABLE)

"Pregnancy with history of shortion")

(SETE (CETHASH "V23.4" ILOD-HASH-TABLE)

"Pregnancy with history of shortion")

(SETE (CETHASH "V23.4" ILOD-HASH-TABLE)

"Pregnancy with history of shortion")

(SETE (CETHASH "V23.4" ILOD-HASH-TABLE)

"Pregnancy with history of shortion")

(SETE (CETHASH "V23.4" ILOD-HASH-TABLE)

"SETE (CETHASH "V23.0" ILOD-HASH-TABLE)

"SETE (CETHASH "V23.4" ILOD-HASH-TABLE)

"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF (GETHASH ""V25.49" ICD9-HASH-TABLE)
"Implantable subdermal contraceptive")
(SETF (GETHASH ""V25.49" ICD9-HASH-TABLE)
(SETF (GETHASH ""V25.5" ICD9-HASH-TABLE)
"Insertion of implantable subdermal contraceptive")
(SETF (GETHASH "V25.8" ICD9-HASH-TABLE)
"Insertion of implantable subdermal contraceptive")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Contraceptive surveillance, unspecified")
(SETF (GETHASH "V2S.41" ICD9-HASH-TABLE) "Contraceptive pill")
(SETF (GETHASH "V2S.42" ICD9-HASH-TABLE)
                                                                                                                                                                             "Other specified constitutional states in development")
(SETF (GETHASH "V21.9" ICD9-HASH-TABLE)
"Unspecified constitutional state in development")
(SETF (GETHASH "V22." ICD9-HASH-TABLE)
(SETF (GETHASH "V22.0" ICD9-HASH-TABLE)
"Period of rapid growth in childhood")
(GETHASH "V21.1" ICD9-HASH-TABLE) "Puberty")
(GETHASH "V21.2" ICD9-HASH-TABLE] "Other adolescence")
(GETHASH "V21.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Other specified contraceptive management") (GETHASH '"V25.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                intrauterine contraceptive device")
```

"Tuboplasty or vasoplasty after previous sterilization") (SETF (GETHASH "W26.1" ICD9-HASH-TABLE) "Artificial insemination") "Unspecified contraceptive management")
(SETF (GETHASH ""V26" ICD9-HASH-TABLE) "Procreative management")
(SETF (GETHASH ""V26.0" ICD9-HASH-TABLE)

(SETF (GETHASH

```
SET CETHASH "VAS 2" TOO-HASH-TARED" "Generic counseling")
SET CETHASH "VAS 4" TOO-HASH-TARED" "Generic counseling")
SET CETHASH "VAS 4" TOO-HASH-TARED" "Generic counseling and advice")
SET CETHASH "VAS 4" TOO-HASH-TARED" "Generic counseling and advice")
SET CETHASH "VAS 4" TOO-HASH-TARED" "Outcome of dalivery")
SET CETHASH "VAS 2" TOO-HASH-TARED" "Outcome of dalivery")
SET CETHASH "VAS 2" TOO-HASH-TARED" "Wingle liveborm")
SET CETHASH "VAS 2" TOO-HASH-TARED" "Windle CETHASH "VAS 2" TOO-HASH-TARED" "Antenatal screening")
SET CETHASH "VAS 2" TOO-HASH-TARED" "Antenatal screening"
SET CETHASH "VAS 2" TOO-HASH-TARED" "Antenatal screening")
SET CETHASH "VAS 2" TOO-HASH-TARED" "Antenatal screening"
SET CETHASH "VAS
```

```
(SETF (GETHAS) ""VAQ 3" TOS9 HASH-TARLE "Other behavioral problems")

(SETF (GETHAS) ""VAQ 3" TOS9 HASH-TARLE "Other behavioral problems")

(SETF (GETHAS) ""VALO" TO PHASH-TARLE "OTHER "OTHER "OTHER "OTHER "VALO" TOS9 HASH-TARLE "OTHER "OTHER "SETF "OTHERS" "VALO" TOS9 HASH-TARLE "OTHER "OTHER "OTHER "OTHER "SETF "OTHERS" "VALO" TOS9 HASH-TARLE "OTHER "OTHER "OTHER "OTHER "SETF "OTHER "OTHER
```

```
(SEFT (CETHASI "W44.5" TOOP-HSAI-TABLE)

(SEFT (CETHASI "W44.5" TOOP-HSAI-TABLE)

(SEFT (CETHASI "W44.5" TOOP-HSAI-TABLE)

(SEFT (CETHASI "W44.5" TOOP-HSAI-TABLE)

(SEFT (CETHASI "W45.5" TOOP-HSAI-TABLE)

(SEFT (CETHASI "W45.5" TOOP-HSAI-TABLE)

(SEFT (CETHASI "W45.0" TOOP-HSAI-TABLE)

(SEFT (CETHASI "W45.2" TOOP-HSAI-TABL
```

```
(SETF (GETHASH "W48.1" TOR-MASH-TABLE)

(SETF (GETHASH "W48.2" TOR-MASH-TABLE)

(SETF (GETHASH "W48.2" TOR-MASH-TABLE)

(SETF (GETHASH "W48.3" TOR-MASH-TABLE)

(SETF (GETHASH "W48.3" TOR-MASH-TABLE)

(SETF (GETHASH "W48.4" TOR-MASH-TABLE)

(SETF (GETHASH "W49.4" TOR-MASH-TABLE)

(SETF
```

"Artificial arm (complete) (partial)")

```
(SET (CETMAS "V42.1" ICO-HASH-TABLD" Persat prosthetic device")

(SET (CETMAS "V42.2" ICO-HASH-TABLD")

(SET (CETMAS "V42.2" ICO-HASH-TABLD")

(SET (CETMAS "V42.2" ICO-HASH-TABLD")

(SET (CETMAS "V43.0" ICO-HASH-TABLD")

(SET (CETMAS "V43.
```

```
(SET CECHNAN "WAS L22 "ICDA-MARH TABLE" "Speech therapy")

(SET CECHNAN "WAS L22 "ICDA-MARH TABLE" "Speech therapy")

(SET CECHNAN "WAS "ICDA-MARH TABLE" "Speech therapy")

(SET CECHNAN "WAS "ICDA-MARH TABLE" "Orthoric training")

(SET CECHNAN "WAS "ICDA-MARH TABLE" "Add otherapy")

(SET CECHNAN "WAS "ICDA-MARH TABLE" "Orthodortics")

(SET CECHNAN "WAS A" ICDA-MARH TABLE" "Orthodortics")

(SET CECHNAN "WAS SA" ICDA-MARH TABLE" "Ort
```

specified housing or economic circumstances") SH '"V60.9" ICD9-HASH-TABLE)

(SETF (GETHASH

```
"Unspect field housing to ecconomic circumstances")
(SETE (CETHASH "WG1.0" IOD9-MASH-TABLE) "Other family disruption")
(SETE (CETHASH "WG1.0" IOD9-MASH-TABLE)
"COUNSEIING FOR MATILAL MASH-TABLE)
"COUNSEIING FOR PROPERTARY TABLE "PROPINGES")

SETE (CETHASH "WG1.2" IOD9-MASH-TABLE "PROPINGES")

SETE (CETHASH "WG2.2" IOD9-MASH-TABL
```

```
"Following treatment of healed fracture")

(SETF (GETHASH "V67.5" ICD9-HASH-TABLE) "Following other treatment")

(SETF (GETHASH "V67.5" ICD9-HASH-TABLE)

(SETF (GETHASH "V67.5" ICD9-HASH-TABLE)

(SETF (GETHASH "V67.5" ICD9-HASH-TABLE) "Other")

(SETF (GETHASH "V67.6" ICD9-HASH-TABLE) "Other")
                                                              "Persons encountering health services for specific procedures, not carried out") (SETF (GETHASH "W04.0" LCD9-HASH-TABLE)
                                                                                                                                                                     "Vaccination not carried out because of contraindication")
(SETF (GETHASH ""V64.1" ICD9-HASH-TABLE)
"Surgical or other procedure not carried out because of contraindication")
(SETF (GETHASH ""V64.2" ICD9-HASH-TABLE)
"Surgical or other procedure not carried out because of patient's decision")
(SETF (GETHASH ""V64.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Following treatment of fracture")
(SETF (GETHASH "V66.5" ICD9-HASH-TABLE) "Following order treatment")
(SETF (GETHASH "V66.6" ICD9-HASH-TABLE) "Following combined treatment")
(SETF (GETHASH "V66.7" ICD9-HASH-TABLE) "Encounter for palliative care")
(SETF (GETHASH "V66.7" ICD9-HASH-TABLE) "Unspecified convalescence")
(SETF (GETHASH "V67.0" ICD9-HASH-TABLE) "Follow-up examination")
(SETF (GETHASH "V67.0" ICD9-HASH-TABLE) "Following radiotherapy")
(SETF (GETHASH "V67.1" ICD9-HASH-TABLE) "Following chemotherapy")
(SETF (GETHASH "V67.3" ICD9-HASH-TABLE) "Following chemotherapy")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF (GETHASH "V6S.0" ICD9-HASH-TABLE)

(SETF (GETHASH "V6S.0" ICD9-HASH-TABLE)

(SETF (GETHASH "V6S.1" ICD9-HASH-TABLE)

(SETF (GETHASH "V6S.1" ICD9-HASH-TABLE)

"Person consulting on behalf of another person")

(SETF (GETHASH "V6S.2" ICD9-HASH-TABLE) "Person feigning illness")

(SETF (GETHASH "V6S.3" ICD9-HASH-TABLE)

(SETF (GETHASH "V6S.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Following psychotherapy and other treatment for mental disorder") (SETF (CETHASH ""V67.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Following psychotherapy and other treatment for mental disorder") (SETF (GETHASH ""V66.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF (GETHASH ""V65.49" ICD9-HASH-TABLE) "Other specified counseling") (SETF (GETHASH ""V65.49" ICD9-HASH-TABLE) "Other specified counseling") (SETF (GETHASH ""V65.5" ICD9-HASH-TABLE) (SETF (GETHASH ""V65.8" ICD9-HASH-TABLE) "Other reasons for seeking consultation") (SETF (GETHASH ""V65.9" ICD9-HASH-TABLE) "SETF (GETHASH ""V65.9" ICD9-HASH-TABLE) "SETF (GETHASH ""V65.9" ICD9-HASH-TABLE) ""V65.9" ICD9-HASH-TABLE """V65.9" ICD9-HASH-TABLE """V65.9" ICD9-HASH-TABLE """"""""""""""""""""""""""""""""
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Laproscopic surgical procedure converted to open procedure") (SETF (GETHASH ""V6S" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Convalescence and pallative care")
(SETF (GETHASH "V66.0" ICD9-HASH-TABLE) "Following surgery")
(SETF (GETHASH "V66.1" ICD9-HASH-TABLE) "Following radiotherapy")
(SETF (GETHASH "V66.2" ICD9-HASH-TABLE) "Following chemotherapy")
(SETF (GETHASH "V66.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Other counseling, not elsewhere classified")
(SETF (GETHASH "V65.40" ICD9-HASH-TABLE) "Counseling NOS")
(SETF (GETHASH "V65.41" ICD9-HASH-TABLE) "Exercise counseling")
(SETF (GETHASH "V65.42" ICD9-HASH-TABLE)
(SETF (GETHASH "V65.42" ICD9-HASH-TABLE)
(SETF (GETHASH "V65.43" ICD9-HASH-TABLE)
(SETF (GETHASH "V65.43" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Human immunodeficiency virus [HIV] counseling")
(SETF (GETHASH ""V65.45" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF (GETHASH "V64.4" ICO9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Unspecified reason for consultation") (SETF (GETHASH ""V66" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Dietary surveillance and counseling") (SETF (GETHASH ""V65.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Counseling on injury prevention") (SETF (GETHASH ""V65.44" ICD9-HASH-TABLE)
(SETF (GETHASH ""V64" ICD9-HASH-TABLE)
```

```
(SETF (GETHASH ""V67.9" ICD9-HASH-TABLE)
"Unspecified follow-up examination")
(SETF (GETHASH ""V68" ICD9-HASH-TABLE)
"Encounters for administrative purposes")
(SETF (GETHASH ""V68.0" ICD9-HASH-TABLE) "Issue of medical certificates")
(SETF (GETHASH ""V68.1" ICD9-HASH-TABLE) "Issue of repeat prescriptions")
(SETF (GETHASH ""V68.8" ICD9-HASH-TABLE) "Request for expert evidence")
(SETF (GETHASH ""V68.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                  "Unspecified administrative purpose")
(GETHASH ""V69" ICD9-HASH-TABLE) "Lack of physical exercise")
(GETHASH ""V69.0" ICD9-HASH-TABLE) "Lack of physical exercise")
(GETHASH ""V69.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF (GETHASH "V71.01" ICD9-HASH-TABLE)
(SETF (GETHASH "V71.02" ICD9-HASH-TABLE)
(CATH (GETHASH "V71.02" ICD9-HASH-TABLE)
(CATHASH "V71.02" ICD9-HASH-TABLE)
(CATHASH "V71.09" ICD9-HASH-TABLE)
(SETF (GETHASH "V71.09" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF (GETHASH "V70.0" ICO9-HASH-TABLE)

(SETF (GETHASH "V70.0" ICO9-HASH-TABLE)

(SETF (GETHASH "V70.1" ICO9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Observation and evaluation for suspected conditions not found") (SETF (GETHASH '"V71.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Inappropriate diet and eating habits")
(GETHASH "W69.2" ICD9-HASH-TABLE) "High-risk sexual behavior")
(GETHASH "W69.3" ICD9-HASH-TABLE) "Gambling and betting")
(GETHASH "W69.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Other problems related to lifestyle")
(GETHASH "V66.9" ICD9-HASH-TABLE)
(GETHASH "Lated to lifestyle, unspecified")
(GETHASH "V70" ICD9-HASH-TABLE) "General medical examination")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "General psychiatric examination, requested by the authority") (SETF (GETHASH ""V70.2" ICD9-HASH-TABLE)
"General psychiatric examination, other and unspecified") (SETF (GETHASH ""V70.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Other medical examination for administrative purposes")
(SETF (GETHASH ""V70.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                            "Referral of partient without examination or treatment") (GETHASH ""V68.9" ICD9-HASH-TABLE) "Other") (GETHASH ""V68.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Other specified general medical examinations") (SETF (GETHASH "V70.9" LO9-HASH-TABLE)
"Unspecified general medical examination")
(SETF (GETHASH "V71" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Observation for suspected malignant neoplasm")
(GETHASH "V71.2" ICD9-HASH-TABLE)
(Observation for suspected tuberculosis")
(GETHASH "V71.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Examination for medicolegal reasons")
(SETF (GETHASH "V70.5" ICD9-HASH-TABLE)
"Health examination of defined subpopulations")
(SETF (GETHASH "V70.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Observation following accident at work") (SETF (GETHASH '"V71.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                  "Other specified administrative purpose")
(GETHASH '"V68.81" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Observation following other accident")
(SETF (GETHASH ""V71.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Other suspected mental condition") (SETF (GETHASH ""V71.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF (GETHASH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF (GETHASH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                     (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
(SETF
(SETF
```

"Observation following alleged rape or seduction") (SETF (GETHASH "W71.6" ICD9-HASH-TABLE) "Observation following other inflicted injury")

```
"Special screening examination for bacterial and spirochetal diseases")

(SETF (GETHASH "V74.0" ICD9-HASH-TABLE) "Cholera")

(SETF (GETHASH "V74.1" ICD9-HASH-TABLE) "Pulmonary tuberculosis")

(SETF (GETHASH "V74.2" ICD9-HASH-TABLE) "Leprosy [Hansen's disease]")

(SETF (GETHASH "V74.3" ICD9-HASH-TABLE) "Diphtheria")

(SETF (GETHASH "V74.4" ICD9-HASH-TABLE) "Veneral conjunctivitis")

(SETF (GETHASH "V74.6" ICD9-HASH-TABLE) "Veneral disease")

(SETF (GETHASH "V74.6" ICD9-HASH-TABLE) "Yaws")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Preoperative examination, unspecified")
EFF (GETHASH "V72.8] "LOD-HASH-TABLE) "Other specified examination")
EFF (GETHASH "V72.9] "LOD-HASH-TABLE) "Unspecified examination")
EFF (GETHASH "V72.9] "LOD-HASH-TABLE) "Unspecified examination")
EFF (GETHASH "V73.1] "LOD-HASH-TABLE) "Unspecified examination")
EFF (GETHASH "V73.1] "LOD-HASH-TABLE) "Poliomyelitis")
EFF (GETHASH "V73.2] "LOD-HASH-TABLE) "Measles")
EFF (GETHASH "V73.3] "LOD-HASH-TABLE) "Measles")
EFF (GETHASH "V73.4" ICOD-HASH-TABLE) "Rubella")
EFF (GETHASH "V73.5" ICOD-HASH-TABLE) "Yellow fever")
EFF (GETHASH "V73.5" ICOD-HASH-TABLE) "Rubella")
EFF (GETHASH "V73.5" ICOD-HASH-TABLE) "Rubella")
                                                                                                                                                                                                                                                                                                                                                                                                                             (SETE (GETHASH "W72.2" ICD9-HASH-TABLE) "Dental examination")

(SETE (GETHASH "W72.2" ICD9-HASH-TABLE) "General examination")

(SETE (GETHASH "W72.4" ICD9-HASH-TABLE) "Gynecological examination")

(SETE (GETHASH "W72.4" ICD9-HASH-TABLE)

(SETE (GETHASH "W72.4" ICD9-HASH-TABLE)

"Radiological examination or test, pregnancy unconfirmed")

(SETE (GETHASH "W72.5" ICD9-HASH-TABLE)

"Radiological examination, not elsewhere classified")

(SETE (GETHASH "W72.6" ICD9-HASH-TABLE)

"Dagnostic skin and sensitization tests")

(SETE (GETHASH "W72.8" ICD9-HASH-TABLE)

(SETE (GETHASH "W72.8" ICD9-HASH-TABLE)

(SETE (GETHASH "W72.8" ICD9-HASH-TABLE)

(SETE (GETHASH "W72.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Unspecified chlamydial disease")
(SETF (GETHASH "V73.99" ICD9-HASH-TABLE) "Unspecified viral disease")
(SETF (GETHASH "V74" ICD9-HASH-TABLE)
                                     "Observation for suspected cardiovascular disease")
(SEFF (GETHASH "V71.8" LOB-HASH-TABLE)
"Observation for other specified suspected conditions")
(SETF (GETHASH "V71.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Other specified bacterial and spirochetal diseases") (SETF (GETHASH ""V74.9" ICD9-HASH-TABLE)
"Unspecified bacterial and spirochetal disease")
                                                                                                                                                                                             "Observation for unspecified suspected condition")
(SETF (GETHASH "V72" IOD9-HASH-TABLE)
(SETF (GETHASH "V72.0" ICD9-HASH-TABLE)
(SETF (GETHASH "V72.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF (GETHASH "V73.88" ICD9-HASH-TABLE)
"Other specified chlamydial diseases")
(SETF (GETHASH "V73.88" ICD9-HASH-TABLE)
(SETF (GETHASH "V73.89" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF (GETHASH "V73.6" ICD9-HASH-TABLE) "Trachoma") (SETF (GETHASH "V73.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Other specified viral diseases")
(SETF (GETHASH "VA73.9" ICD9-HASH-TABLE)
"Unspecified viral and chlamydial disease")
(SETF (GETHASH "V73.98" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Preoperative respiratory examination")
(SETF (GETHASH "V72.83" ICD9-HASH-TABLE)
"Other specified preoperative examination")
(SETF (GETHASH "V72.84" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Preoperative cardiovascular examination")
(SETF (GETHASH "W72.82" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                  "Examination of eyes and vision") (SETF (GETHASH '"V72.1" ICD9-HASH-TABLE)
(SETF (GETHASH '"V71.7" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SETF
SETF
SETF
SETF
SETF
SETF
SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
(SETF
```

```
(SET CETMASH "VAYS" LOG-MASH-TABLE "Rickettians diseases")

(SET CETMASH "VAYS" LOG-MASH-TABLE "Rickettians diseases")

(SET CETMASH "VAYS" LOG-MASH-TABLE "Rickettians diseases")

(SET CETMASH "VAYS. IL COG-MASH-TABLE "SCHISTIANS STATES")

(SET CETMASH "VAYS. IL COG-MASH-TABLE "SCHISTIANS STATES STATES
```

```
"Motor vehicle traffic accident involving re-entrant collision with another motor vehicle") (SETF (GETHASH "E812" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CSTI (VEINASH TATA) GALD ALVOSTANDENT CACIDED (SETF (GETHASH "E814" ICD9-HASH-TABLE)

(SETF (GETHASH "E814" ICD9-HASH-TABLE)

"Motor vehicle traffic accident involving collision with pedestrian")

(SETF (GETHASH "E815" ICD9-HASH-TABLE)

(SETF (GETHASH "E815" ICD9-HASH-TABLE)

(SETF (GETHASH "E815" ICD9-HASH-TABLE)

"Motor vehicle traffic accident due to loss of control, without collision on the highway")

(SETF (GETHASH "E817" ICD9-HASH-TABLE)
                                                                                                                         "Special screening for neurological, eye, and ear diseases")
(GETHASH "W80.0" ICD9-HASH-TABLE) "Neurological conditions")
(GETHASH "W80.1" ICD9-HASH-TABLE) "Glaucoma")
(GETHASH "W80.1" ICD9-HASH-TABLE) "Other eye conditions")
(GETHASH "W80.3" ICD9-HASH-TABLE) "Ear diseases")
(GETHASH "W81." ICD9-HASH-TABLE) "Ear diseases")
(GETHASH "W81.0" ICD9-HASH-TABLE) "Ischemic heart disease")
(GETHASH "W81.0" ICD9-HASH-TABLE) "Ischemic heart disease")
(GETHASH "W81.1" ICD9-HASH-TABLE) "Hypertension")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Other motor vehicle traffic accident involving collision with motor vehicle") (SETF (GETHASH "E813" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Railway accident involving derailment without antecedent collision")
(SETF (GETHASH "E803" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Special screening for other conditions")
(GETHASH "V82.0" ICD9-HASH-TABLE) "Skin conditions")
(GETHASH "V82.1" ICD9-HASH-TABLE) "Rheumatoid arthritis")
(GETHASH "V82.2" ICD9-HASH-TABLE) "Other rheumatic disorders")
(GETHASH "V82.3" ICD9-HASH-TABLE) "Congenital dislocation of hip")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF (GETHASH "V82.0" ICD9-HASH-TABLE) "Whiltiphasic screening")
(SETF (GETHASH "V82.0" ICD9-HASH-TABLE) "Whiltiphasic screening")
(SETF (GETHASH "V82.9" ICD9-HASH-TABLE) "Unspecified conditions")
(SETF (GETHASH "V82.9" ICD9-HASH-TABLE) "Unspecified condition")
(SETF (GETHASH "E800" ICD9-HASH-TABLE)
(SETF (GETHASH "E800" ICD9-HASH-TABLE)
(SETF (GETHASH "E801" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Motor vehicle traffic accident involving collision with train") (SETF (GETHASH "E811" ICD9-HASH-TABLE)
specified mental disorders and developmental handicaps")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF (GETHASH "E804" ICD9-HASH-TABLE)
(SETF (GETHASH "E804" ICD9-HASH-TABLE)
(SETF (GETHASH "E805" ICD9-HASH-TABLE)
(SETF (GETHASH "E805" ICD9-HASH-TABLE)
(SETF (GETHASH "E805" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Railway accident involving collision with other object") (SETF (GETHASH ""E802" ICD9-HASH-TABLE)
                                                              "Unspecified mental disorder and developmental handicap")
(GETHASH ""V80" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Other and unspecified cardiovascular conditions")
(GETHASH '''V81.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Other and unspecified respiratory conditions")
(SETF (GETHASH "W81.5" ICD9-HASH-TABLE) "Nephropathy")
(SETF (GETHASH "W81.6" ICD9-HASH-TABLE)
"Other and unspecified genitourinary conditions")
(SETF (GETHASH "W82" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Postnatal screening for chromosomal anomalies")
(SETF (GETHASH ""V82.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Railway accident of unspecified nature")
(SETF (GETHASH ""E810" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Other specified railway accident") (SETF (GETHASH ""E807" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Chronic bronchitis and emphysema") (GETHASH - "V81.4" ICD9-HASH-TABLE)
                                    "V79.9" ICD9-HASH-TABLE)
                                        (GETHASH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
(SETF
(SETF
(SETF
(SETF
                                        (SETF
                                                                                                          (SETF
                                                                                                                                                                             SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                       (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
```

"Noncollision motor vehicle traffic accident while boarding or alighting")

```
"Accidents involving powered vehicles used solely within the buildings and premises of industrial or commercial establishment") (SETF (GETHASH "E847" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                    "Other motor vehicle nontraffic accident involving collision with moving object") (GETHASH "E823" ICO9-HASH-TABLE)
"Other motor vehicle nontraffic accident involving collision with stationary object") (GETHASH "E824" ICO9-MASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Other motor vehicle nontraffic accident of other and unspecified nature")
(GETHASH "E826" ICD9-HASH-TABLE) "Pedal cycle accident")
(GETHASH "E827" ICD9-HASH-TABLE)
(GETHASH "E828" ICD9-HASH-TABLE)
"Accident involving animal being ridden")
(GETHASH "E829" ICD9-HASH-TABLE)
(GETHASH "E829" ICD9-HASH-TABLE)
(GETHASH "E829" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                               "Other motor vehicle nontraffic accident while boarding and alighting") (GETHASH '"E825" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Accident to watercraft causing other injury")
(GETHASH "E832" ICD9-MASH-TABLE)
(GETHASH "E833" ICD9-MASH-TABLE)
(GETHASH "E833" ICD9-MASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Accident to powered aircraft, other and unspecified")
(GETHASH ""E842" ICD9-HASH-TABLE) "Accident to unpowered aircraft")
(GETHASH ""E843" ICD9-HASH-TABLE) "Fall in, on, or from aircraft")
(GETHASH ""E844" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Other specified air transport accidents")
(GETHASH '"E845" ICD9-HASH-TABLE) "Accident involving spacecraft")
(GETHASH '"E846" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF (GETHASH "E849." ICD9-HASH-TABLE) "Place of occurrence")
(SETF (GETHASH "E849." ICD9-HASH-TABLE) "Place of occurrence")
(SETF (GETHASH "E849.0" ICD9-HASH-TABLE) "Home")
(SETF (GETHASH "E849.1" ICD9-HASH-TABLE) "Mine and quarry")
(SETF (GETHASH "E849.2" ICD9-HASH-TABLE) "Mine and quarry")
(SETF (GETHASH "E849.2" ICD9-HASH-TABLE) "Mine and quarry")
(SETF (GETHASH "E849.4" ICD9-HASH-TABLE)
(SETF (GETHASH "E849.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF (GETHASH "E849.5" ICD9-HASH-TABLE) "Street and highway")
(SETF (GETHASH "E849.6" ICD9-HASH-TABLE) "Public building")
(SETF (GETHASH "E849.6" ICD9-HASH-TABLE) "Residential institution")
(SETF (GETHASH "E849.8" ICD9-HASH-TABLE) "Other specified places")
                                                                                                                                                                       "Nontraffic accident involving motor-driven snow vehicle")
(GETHASH "E821" ICD9-HASH-TABLE)
"Nontraffic accident involving other off-road motor vehicle")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF (GETHASH "FE834" ICD9-HASH-TABLE)

"Other fall from one level to another in water transport")

(SETF (GETHASH "E834" ICD9-HASH-TABLE)
                                                                                                       "Motor vehicle traffic accident of unspecified nature")
(GETHASH ""E820" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Accidents involving cable cars not running on rails") (SETF (GETHASH "E848" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF (GETHASH "E841" ICD9-HASH-TABLE)
                                   "Other noncollision motor vehicle traffic accident") (SETF (GETHASH "E819" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Explosion, fire, or burning in watercraft")
(SETF (GETHASH ""E838" ICD9-HASH-TABLE)
"Other and unspecified water transport accident")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Other and unspecified fall in water transport")
(GETHASH '"E836" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Accident to watercraft causing submersion")
(GETHASH ""E831" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Machinery accident in water transport")
(GETHASH '"E837" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF (GETHASH '"E840" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                              ICD9-HASH-TABLE)
(SETF (GETHASH '"E818" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                              (SETF (GETHASH '"E822"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
(SETF
                                                                                                                                       (SETF
                                                                                                                                                                                                           (SETF
                                                                                                                                                                                                                                                                                                                                                  (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
```

```
"Accidental poisoning by other drugs acting on central and autonomic nervous system")
(SETF (GETHASH ""E855.0" ICD9-HASH-TABLE)
"Anticonvulsant and anti-Parkinsonism drugs")
(SETF (GETHASH ""E855.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Other central nervous system depressants")
(SETF (GETHASH "E855.2" ICD9-HASH-TABLE) "Local anesthetics")
(SETF (GETHASH "E855.3" ICD9-HASH-TABLE)
"Parasympathomimetics [Cholinergics]")
(SETF (GETHASH "E855.4" ICD9-HASH-TABLE)
"Parasympatholytics [anticholinergics and antimuscarinics] and spasmolytics")
(SETF (GETHASH "E855.5" ICD9-HASH-TABLE)
(GETHASH "E849.9" ICD9-HASH-TABLE) "Unspecified place")
(GETHASH "E850" ICD9-HASH-TABLE)
"Accidental poisoning by analgesics, antipyretics, and antirheumatics")
(GETHASH "E850.0" ICD9-HASH-TABLE) "Herbin")
(GETHASH "E850.1" ICD9-HASH-TABLE) "Methadone")
(GETHASH "E850.2" ICD9-HASH-TABLE) "Methadone")
(GETHASH "E850.2" ICD9-HASH-TABLE)
"Other opiates an related narcotics")
(GETHASH "E850.3" ICD9-HASH-TABLE) "Salicylates")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LET (CETHASH "E852" ICD9-HASH-TABLE)

ETF (CETHASH "E852" ICD9-HASH-TABLE)

"Accidental poisoning by barbiturates")

"Accidental poisoning by other sedatives and hypnotics")

ETF (CETHASH "E852.0" ICD9-HASH-TABLE) "Chloral hydrate group")

ETF (CETHASH "E852.1" ICD9-HASH-TABLE) "Promine compounds")

ETF (CETHASH "E852.2" ICD9-HASH-TABLE) "Menthaqualone compounds")

ETF (CETHASH "E852.3" ICD9-HASH-TABLE) "Menthaqualone compounds")

ETF (CETHASH "E852.3" ICD9-HASH-TABLE) "Glutethimide group")

ETF (CETHASH "E852.3" ICD9-HASH-TABLE) "Menthaqualone compounds")

ETF (CETHASH "E852.3" ICD9-HASH-TABLE) "Glutethimide group")

ETF (CETHASH "E852.8" ICD9-HASH-TABLE)
"Mixed sedatives, not elsewhere classified")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Accidental poisoning by other psychotropic agents")
(GETHASH "E854.0" ICD9-HASH-TABLE) "Antidepressants")
(GETHASH "E854.1" ICD9-HASH-TABLE)
"Psychodysleptics [hallucinogens]")
(GETHASH "E854.2" ICD9-HASH-TABLE)
"CGHTASH "E854.3" ICD9-HASH-TABLE)
"CGHTASH "E854.8" ICD9-HASH-TABLE)
(GETHASH "E854.8" ICD9-HASH-TABLE)
(GETHASH "E854.8" ICD9-HASH-TABLE)
(GETHASH "E855" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF (GETHASH "TESTS.O")

(SETF (GETHASH "TESTS.O") ICD9-HASH-TABLE)

(SETF (GETHASH "TESTS.O") ICD9-HASH-TABLE)

(SETF (GETHASH "TESTS.O") ICD9-HASH-TABLE)

(SETF (GETHASH "TESTS.O") ICD9-HASH-TABLE)

"Benzoodazepine-based tranquilizers")

(SETF (GETHASH "TESTS.O") ICD9-HASH-TABLE)

"Other specified tranquilizers")

(SETF (GETHASH "TESTS.O") ICD9-HASH-TABLE)

(SETF (GETHASH "TESTS.O") ICD9-HASH-TABLE)

(SETF (GETHASH "TESTS.O") ICD9-HASH-TABLE)

(SETF (GETHASH "TESTS.O") ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                             "Aromatic analgesics, not elsewhere classified")
(GETHASH "TESSO." ICD9-HASH-TABLE) "Pyrazole derivatives")
(GETHASH "TESSO." ICD9-HASH-TABLE)
"Antirheumatics [antiphlogistics]")
(GETHASH "TESSO." ICD9-HASH-TABLE)
(GETHASH "TESSO." ICD9-HASH-TABLE)
(GETHASH "TESSO." ICD9-HASH-TABLE)
(GETHASH "TESSO." ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Other specified analgesics and antipyretics")
(GETHASH '"E8SO.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Other specified sedatives and hypnotics")
(SETF (GETHASH ""E8S1.9" (CD9-HASH-TABLE)
"Unspecified sedative or hypnotic")
(SETF (GETHASH ""E8S3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Unspecified analgesic or antipyretic")
(GETHASH '"E851" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
(SETF
                                                                                                    (SETF
(SETF
(SETF
                                                                                                                                                                                                                                            (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                             (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
```

```
"Accidental poisoning by agricultural and horticultural chemical and pharmaceutical preparations other than plant foods and fertilizers")
(SETF (GETHASH "E863.0" ICD9-HASH-TABLE)
"TEACH AST OF EXPRESS OF TABLE 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SETE (GETHASH "E8S8.0" ICD9-HASH-TABLE)

(SETE (GETHASH "E8S8.0" ICD9-HASH-TABLE)

"Agents primarily activing on the smooth and skeletal muscles and respiratory system")

(SETE (GETHASH "E8S8.0" ICD9-HASH-TABLE)

"Agents primarily affecting skin and mucous membrane, ophthalmological, otorhinolaryngological, and dental drugs")

(SETE (GETHASH "E8S8.9" ICD9-HASH-TABLE) "Other specified drug")

(SETE (GETHASH "E8S8.9" ICD9-HASH-TABLE) "Unspecified drug")

(SETE (GETHASH "E8S0.0" ICD9-HASH-TABLE) "Newerages")

(SETE (GETHASH "E860.0" ICD9-HASH-TABLE) "Necholic beverages")

(SETE (GETHASH "E860.2" ICD9-HASH-TABLE) "Sporopyl alcohol")

(SETE (GETHASH "E860.2" ICD9-HASH-TABLE) "Nethyl alcohol")

(SETE (GETHASH "E860.3" ICD9-HASH-TABLE) "Sporopyl alcohol")

(SETE (GETHASH "E860.3" ICD9-HASH-TABLE) "Other specified alcohol")

(SETE (GETHASH "E860.9" ICD9-HASH-TABLE) "Unspecified alcohol")

(SETE (GETHASH "E860.9" ICD9-HASH-TABLE)

"Accidental poisoning by cleansing and polishing agents, disinfectants, paints, and varnishes")

(SETE (GETHASH "E861.0" ICD9-HASH-TABLE)

"Accidental poisoning by cleansing and polishing agents, disinfectants, paints, and varnishes")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CSET (GETHASH "E861.1" ICD9-HASH-TABLE) "Soap products")

(SETF (GETHASH "E861.2" ICD9-HASH-TABLE) "Polishes")

(SETF (GETHASH "E861.3" ICD9-HASH-TABLE) "Delishes")

(SETF (GETHASH "E861.3" ICD9-HASH-TABLE) "Disinfectants")

(SETF (GETHASH "E861.3" ICD9-HASH-TABLE) "Disinfectants")

(SETF (GETHASH "E861.6" ICD9-HASH-TABLE) "Load paints")

(SETF (GETHASH "E861.6" ICD9-HASH-TABLE) "Unspecified")

(SETF (GETHASH "E862.1" ICD9-HASH-TABLE) "Unspecified")

(SETF (GETHASH "E862.1" ICD9-HASH-TABLE) "Petroleum products, other solvents and their vapors, not elsewhere classified")

(SETF (GETHASH "E862.1" ICD9-HASH-TABLE) "Petroleum fuels and cleaners")

(SETF (GETHASH "E862.1" ICD9-HASH-TABLE) "Detroleum fuels and cleaners")

(SETF (GETHASH "E862.2" ICD9-HASH-TABLE) "Detroleum solids")

(SETF (GETHASH "E862.2" ICD9-HASH-TABLE) "Detroleum solids")

(SETF (GETHASH "E862.2" ICD9-HASH-TABLE) "Unspecified solvents")

(SETF (GETHASH "E862.3" ICD9-HASH-TABLE) "Unspecified solvents")

(SETF (GETHASH "E862.9" ICD9-HASH-TABLE) "Unspecified solvents")
                                                                                                                                                                                                                                                                                                                          Other specified drugs acting on central and autonomic nervous systems")
(GETHASH ""E8SS.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                    (SETF (GETHASH "'E855.9" ICD9-HASH-TABLE)

"Unspecified drug acting on central and autonomic nervous systems")

(SETF (GETHASH "E858" ICD9-HASH-TABLE)

"Accidental poisoning by antibiotics")

(SETF (GETHASH "E888" ICD9-HASH-TABLE)

"Accidental poisoning by other anti-infectives")

(SETF (GETHASH "E888" ICD9-HASH-TABLE)

"Accidental poisoning by other drugs")

(SETF (GETHASH "E888.0" ICD9-HASH-TABLE)

"Hormones and syntheric substitutes")

(SETF (GETHASH "E888.1" ICD9-HASH-TABLE)

"Hormones and syntheric substitutes")

(SETF (GETHASH "E888.2" ICD9-HASH-TABLE)

"Agents primarily affecting cardiovascular system")

(SETF (GETHASH "E888.3" ICD9-HASH-TABLE)

"Agents primarily affecting cardiovascular system")

(SETF (GETHASH "E888.3" ICD9-HASH-TABLE)

"Agents primarily affecting gastrointestinal system")

(SETF (GETHASH "E888.3" ICD9-HASH-TABLE)

"Agents primarily affecting gastrointestinal system")

(SETF (GETHASH "E888.3" ICD9-HASH-TABLE)

"Agents primarily affecting gastrointestinal system")

(SETF (GETHASH "E888.3" ICD9-HASH-TABLE)

"Agents primarily affecting gastrointestinal system")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Insecticides of organophosphorus compounds")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Insecticides of organochlorine compounds") (SETF (GETHASH ""E863.1" ICD9-HASH-TABLE)
"Sympathomimetics [adrenergics]")
(SETF (GETHASH "EBS5.6" ICO9-HASH-TBLE)
"Sympatholytics [antiadrenergics]")
(SETF (GETHASH "EBS5.8" ICO9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SETF
(SETF
(SETF
(SETF
(SETF
```

```
(SET (CETMASH "TERS 3." TIOP-MASH-TABLE "Christoles")

(SET (CETMASH "TERS 3." TIOP-MASH-TABLE "Mixtures of insecticides")

(SET (CETMASH "TERS 3." TIOP-MASH-TABLE "Mixtures of insecticides")

(SET (CETMASH "TERS 3." TIOP-MASH-TABLE "FUNDICIDES")

(SET (CETMASH "TERS 3." TIOP-MASH-TABLE "FUNDICIDES")

(SET (CETMASH "TERS 3." TIOP-MASH-TABLE "FUNDICIDES")

(SET (CETMASH "TERS 3." TIOP-MASH-TABLE "THOUGHTS 100-MASH-TABLE "CAST'L ABLAIS")

(SET (CETMASH "TERS 4." TIOP-MASH-TABLE "CAST'L ABLAIS")

(SET (CETMASH "TERS 4." TIOP-MASH-TABLE "CAST'L ABLAIS")

(SET (CETMASH "TERS 4." TIOP-MASH-TABLE "ACTION "MASH-TABLE "THOUGHTS 100-MASH-TABLE "THO
```

```
GETF (CETMASH "1889, 2 TOD9-MASH-TABLD "Lacrimogenic gas [tear gas]")

GETF (CETMASH "1889, 2 TOD9-MASH-TABLD "Second-hand tobacco smoke")

GETF (CETMASH "1889, 2 TOD9-MASH-TABLD "Second-hand tobacco smoke")

GETF (CETMASH "1889, 2 TOD9-MASH-TABLD "Second-hand tobacco smoke")

GETF (CETMASH "1880, 2 TOD9-MASH-TABLD "Second-hand tobacco smoke")

GETF (CETMASH "1880, 2 TOD9-MASH-TABLD "Second-hand tobacco smoke")

GETF (CETMASH "1880, 2 TOD9-MASH-TABLD "Infusion or transfusion")

GETF (CETMASH "1880, 2 TOD9-MASH-TABLD "Uther specified madrial care")

GETF (CETMASH "1880, 2 TOD9-MASH-TABLD "Uther specified madrial care")

GETF (CETMASH "1880, 2 TOD9-MASH-TABLD "Uther specified madrial care")

GETF (CETMASH "1880, 2 TOD9-MASH-TABLD "Uther specified madrial care")

GETF (CETMASH "1880, 2 TOD9-MASH-TABLD "Uther specified madrial care")

GETF (CETMASH "1881, 2 TOD9-MASH-TABLD "Uther specified madrial care")

GETF (CETMASH "1881, 2 TOD9-MASH-TABLD "Uther specified madrial care")

GETF (CETMASH "1881, 2 TOD9-MASH-TABLD "Uther specified procedure")

GETF (CETMASH "1881, 2 TOD9-MASH-TABLD "Uther specified procedure")

GETF (CETMASH "1881, 2 TOD9-MASH-TABLD "Mash-CETTON "NASH-TABLD "Mash-CETTON")

GETF (CETMASH "1882, 2 TOD9-MASH-TABLD "Mash-CETTON "NASH-TABLD "Mash-CETTON "NASH-TABLD "Mash-CETTON "NASH-TABLD "Mash
```

(SETF (GETHASH '"E873.9" ICD9-HASH-TABLE)

```
(SETF (GETHASH'"E876.9" ICD9-HASH-TABLE)
"Unspecified misadventure during medical care")
(SETF (GETNESTS" ICD9-HASH-TARLE)
(SETF (GETNESTS" ICD9-HASH-HASH-TARLE)
"Surgical operation and other surgical procedures as the cause of abnormal reaction of patient, or of later complication, without mention of misadventure at the time of "Surgical operation and other surgical procedures as the cause of abnormal reaction of patient, or of later complication, without mention of misadventure at the time of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Other procedures, without mention of misadventure at the time of procedure, as the cause of abnormal reaction of patient, or of later complication") (SETF (GETHASH "1879.0" I ICD9-HASH-TABLE) "Kandiac catheterization") (SETF (GETHASH "1879.1" ICD9-HASH-TABLE) "Kidney dialysis") (SETF (GETHASH "1879.1" ICD9-HASH-TABLE) "Kidney dialysis") (SETF (GETHASH "1879.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CSETF (GETHASH "E878.2" ICD9-HASH-TABLE)

(SETF (GETHASH "E878.2" ICD9-HASH-TABLE)

"Surgical operation with anastomosis, bypass, or graft, with natural or artificial tissues used as implant")

(SETF (GETHASH "E878.2" ICD9-HASH-TABLE)

"Surgical operation with formation of external stoma")

(SETF (GETHASH "E878.4" ICD9-HASH-TABLE) "Other restorative surgery")

(SETF (GETHASH "E878.5" ICD9-HASH-TABLE) "Amputation of limb(s)")

(SETF (GETHASH "E878.8" ICD9-HASH-TABLE) "Amputation of limb(s)")

(SETF (GETHASH "E878.8" ICD9-HASH-TABLE)

"Removal of other organ (partial) (total)")

(SETF (GETHASH "E878.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Contaminated or infected blood, other fluid, drug, or biological substance") (SETF (GETHASH ""E875.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Contaminated substance transfused or infused")
(SETF (GETHASH "E875.1" ICD9-HASH-TABLE)
"Contaminated substance injected or used for vaccination")
(SETF (GETHASH "E875.2" ICD9-HASH-TABLE)
"Contaminated drug or biological substance administered by other means")
(SETF (GETHASH "E875.8" ICD9-HASH-TABLE) "Other")
(SETF (GETHASH "E875.9" ICD9-HASH-TABLE) "Unspecified")
                             ETF (GETHASH "E874" ICO9-HASH-TABLE)

"Mechanical failure of instrument or apparatus during procedure")

"EFF (GETHASH "E874." ICO9-HASH-TABLE) "Surgical operation")

ETF (GETHASH "E874.2" ICO9-HASH-TABLE) "Infusion and transfusion")

EFF (GETHASH "E874.2" ICO9-HASH-TABLE) "Infusion and transfusion")

EFF (GETHASH "E874.3" ICO9-HASH-TABLE) "Endoscopic examination")

EFF (GETHASH "E874.3" ICO9-HASH-TABLE) "Endoscopic examination")

EFF (GETHASH "E874.8" ICO9-HASH-TABLE) "Heart catheterization")

EFF (GETHASH "E874.8" ICO9-HASH-TABLE) "Other specified procedures")

EFF (GETHASH "E874.8" ICO9-HASH-TABLE) "Other specified procedures")

EFF (GETHASH "E874.8" ICO9-HASH-TABLE) "Other specified procedures")

EFF (GETHASH "E875" ICO9-HASH-TABLE) "Other specified procedures")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF (GETHASH "E876.1" ICD9-HASH-TABLE)

(SETF (GETHASH "E876.2" ICD9-HASH-TABLE)

(SETF (GETHASH "E876.2" ICD9-HASH-TABLE)

(SETF (GETHASH "E876.3" ICD9-HASH-TABLE)

(SETF (GETHASH "E876.3" ICD9-HASH-TABLE)

(SETF (GETHASH "E876.3" ICD9-HASH-TABLE)

(SETF (GETHASH "E876.4" ICD9-HASH-TABLE)

(SETF (GETHASH "E876.4" ICD9-HASH-TABLE)

(SETF (GETHASH "E876.4" ICD9-HASH-TABLE)

(SETF (GETHASH "E876.8" ICD9-HASH-TABLE)

(SETF (GETHASH "E876.8" ICD9-HASH-TABLE)

(SETF (GETHASH "E876.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Other and unspecified misadventures during medical care") (SETF (GETHASH ""E876.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Other specified surgical operations and procedures") (SETF (GETHARM "TERNES") ILOB-HASH-TABLE) (SETF (GETHASH "TERNE") (SETF (GETHASH "TERNE") (SETF (GETHASH "TERNE")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           operation")
(SETF (GETHASH "E878.0" ICD9-HASH-TABLE)
(SETF (GETHASH "E878.1" ICD9-HASH-TABLE)
(SETF (GETHASH "E878.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Radiological procedure and radiotherapy") (SETF (GETHASH ""E879.3" ICD9-HASH-TABLE) "Shock therapy")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           specified misadventures during medical care")
SH '"E876.9" ICD9-HASH-TABLE)
"Unspecified failure in dosage")
                                            (SETF
                                                                                                                                      (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                               (SETF
(SETF
```

```
"Fumes from combustion of polyviny|chloride [PVC] and similar material in conflagration")
(SETF (GETHASH '"E890.2" ICD9-HASH-TABLE)
"Other smoke and fumes from conflagration")
(SETF (GETHASH '"E890.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Fall on same level from slipping, tripping, or stumbling")

(SETF (GETHASH "E886" ICD9-HASH-TABLE)

(SETF (GETHASH "E886.0" ICD9-HASH-TABLE) "In sports")

(SETF (GETHASH "E886.0" ICD9-HASH-TABLE) "Other and unspecified")

(SETF (GETHASH "E887" ICD9-HASH-TABLE) "Other and unspecified")

(SETF (GETHASH "E888" ICD9-HASH-TABLE) "Other and unspecified fall")

(SETF (GETHASH "E888" ICD9-HASH-TABLE) "Other and unspecified fall")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Unspecified accident resulting from conflagration in private dwelling")
(SETF (GETHASH "E891" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF (GETHASH ""E883" ICD9-HASH-TABLE)

(SETF (GETHASH ""E883" ICD9-HASH-TABLE)

(SETF (GETHASH ""E883.0" ICD9-HASH-TABLE)

(SETF (GETHASH ""E883.0" ICD9-HASH-TABLE)

(SETF (GETHASH ""E883.1" ICD9-HASH-TABLE)

(SETF (GETHASH ""E883.1" ICD9-HASH-TABLE)

"Accidental fall into storm drain or manhole")

(SETF (GETHASH ""E883.9" ICD9-HASH-TABLE)

"Accidental fall into storm drain or manhole")

(SETF (GETHASH ""E883.9" ICD9-HASH-TABLE)

"Accidental fall from one or other opening in surface")

(SETF (GETHASH ""E884" ICD9-HASH-TABLE)

"Other fall from one level to another")

(SETF (GETHASH ""E884" ICD9-HASH-TABLE)

"Other fall from one level to another")
                                                                    (SETF (GETHASH "E879.6" ICD9-HASH-TABLE) "Urinary catheterization")
(SETF (GETHASH "E879.6" ICD9-HASH-TABLE) "Urinary catheterization")
(SETF (GETHASH "E879.6" ICD9-HASH-TABLE) "Blood sampling")
(SETF (GETHASH "E879.9" ICD9-HASH-TABLE) "Other specified procedures")
(SETF (GETHASH "E880.9" ICD9-HASH-TABLE) "Unspecified procedure")
(SETF (GETHASH "E880.1" ICD9-HASH-TABLE)
(SETF (GETHASH "E880.1" ICD9-HASH-TABLE) "Escalator")
(SETF (GETHASH "E880.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF (GETHASH "E884.2" ICD9-HASH-TABLE) "Fall from cliff")
(SETF (GETHASH "E884.2" ICD9-HASH-TABLE) "Fall from chair")
(SETF (GETHASH "E884.3" ICD9-HASH-TABLE) "Fall from chair")
(SETF (GETHASH "E884.3" ICD9-HASH-TABLE) "Fall from wheelchair")
(SETF (GETHASH "E884.4" ICD9-HASH-TABLE) "Fall from other furniture")
(SETF (GETHASH "E884.6" ICD9-HASH-TABLE) "Fall from commode")
(SETF (GETHASH "E884.6" ICD9-HASH-TABLE) "Fall from commode")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Conflagration in other and unspecified building or structure")
(SETF (GETHASH '"E891.0" ICD9-HASH-TABLE)
"Explosion caused by conflagration")
                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Fall on or from sidewalk curb")
(GETHASH "FE880.9" ICOP-HASH-TABLE)
(GETHASH "FE881" ICOP-HASH-TABLE)
"Fall on or from ladders or scaffolding")
(GETHASH "FE881.0" ICOP-HASH-TABLE) "Fall from ladder")
(GETHASH "FE881.1" ICOP-HASH-TABLE) "Fall from scaffolding")
(GETHASH "FE881.1" ICOP-HASH-TABLE)
(SETF (GETHASH '"E879.4" ICD9-HASH-TABLE) "Aspiration of fluid")
(SETF (GETHASH '"E879.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Other accident resulting from conflagration")
(SETF (GETHASH "E890.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF (GETHASH "E885" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Conflagration in private dwelling")
(SETF (GETHASH ""E890.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Explosion caused by conflagration")
GETHASH "E890.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Burning caused by conflagration")
(SETF (GETHASH ""E890.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF (GETHASH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
(SETF
```

```
(SETF (GETHASH "E892" ICD9-HASH-TABLE)

(SETF (GETHASH "E893" ICD9-HASH-TABLE)

(SETF (GETHASH "E893" ICD9-HASH-TABLE)

(SETF (GETHASH "E893" ICD9-HASH-TABLE)

"Accident caused by ignition of clothing")

(SETF (GETHASH "E893" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF (GETHASH "E893.8" ICD9-HASH-TABLE) "From other specified sources")
(SETF (GETHASH "E893.8" ICD9-HASH-TABLE) "From other specified sources")
(SETF (GETHASH "E893.9" ICD9-HASH-TABLE) "Unspecified source")
(SETF (GETHASH "E894" ICD9-HASH-TABLE) "Unspecified source")
(SETF (GETHASH "E895" ICD9-HASH-TABLE) "Unspecified source")
(SETF (GETHASH "E895" ICD9-HASH-TABLE)
(SETF (GETHASH "E895" ICD9-HASH-TABLE)
(SETF (GETHASH "E895" ICD9-HASH-TABLE)
(SETF (GETHASH "E898" ICD9-HASH-TABLE)
"Accident caused by controlled fire in other and unspecified building or structure")
(SETF (GETHASH "E898" ICD9-HASH-TABLE)
"Accident caused by controlled fire and flames")
(SETF (GETHASH "E898. ICD9-HASH-TABLE) "Burning bedclothes")
(SETF (GETHASH "E898.0" ICD9-HASH-TABLE) "Burning bedclothes")
(SETF (GETHASH "E898.0" ICD9-HASH-TABLE) "Chter")
                         "Fumes from combustion of polyvinylchloride [PVC] and similar material in conflagration")
(SETF (GETHASH "E891.2" ICD9-HASH-TABLE)
"Other smoke and fumes from conflagration")
(SETF (GETHASH "E891.3" ICD9-HASH-TABLE)
"Burning caused by conflagration")
(SETF (GETHASH "E891.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Exposure (to weather conditions), not elsewhere classifiable")
(SETF (GETHASH "E904.9" ICD9-HASH-TABLE)
(SETF (GETHASH "E905" ICD9-HASH-TABLE)
"Venomous animals and plants as the cause of poisoning and toxic reactions")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Accident caused by unspecified fire")

"Accident caused by unspecified fire")

ETF (GETHASH "E900" ICD9-HASH-TABLE) "Excessive heat")

ETF (GETHASH "E900.0" ICD9-HASH-TABLE) "Upue to weather conditions")

ETF (GETHASH "E900.9" ICD9-HASH-TABLE) "Of man-made origin")

ETF (GETHASH "E901.0" ICD9-HASH-TABLE) "Of unspecified origin")

ETF (GETHASH "E901.1" ICD9-HASH-TABLE) "Due to weather conditions")

ETF (GETHASH "E901.1" ICD9-HASH-TABLE) "Of man-made origin")

ETF (GETHASH "E901.1" ICD9-HASH-TABLE) "Of man-made origin")

ETF (GETHASH "E901.1" ICD9-HASH-TABLE) "Of unspecified origin")

ETF (GETHASH "E902" ICD9-HASH-TABLE) "Of unspecified origin")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Abandomment or neglect of infants and helpless persons") (SETF (GETHASH "E904.1" ICD9-HASH-TABLE) "Lack of food") (SETF (GETHASH "E904.2" ICD9-HASH-TABLE) "Lack of water") (SETF (GETHASH "E904.3" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "High and low air pressure and changes in air pressure")
(SETF (GETHASH "E902.0" ICD9-HASH-TABLE)
"Residence or prolonged visit at high altitude")
(SETF (GETHASH "E902.1" ICD9-HASH-TABLE) "In aircraft")
(SETF (GETHASH "E902.2" ICD9-HASH-TABLE) "Due to diving")
(SETF (GETHASH "E902.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF (GETHASH "E902.9" ICD9-HASH-TABLE) "Unspecified cause") (SETF (GETHASH "E903" ICD9-HASH-TABLE) "Travel and motion") (SETF (GETHASH "E904" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF (GETHASH "E893.1" ICD9-HASH-TABLE)
"From controlled fire in private dwelling")
"From controlled fire in other building or structure")
(SETF (GETHASH "E893.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                             "Other accident resulting from conflagration")
(SETF (GETHASH "E891.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Hunger, thirst, exposure, and neglect")
(SETF (GETHASH ""E904.0" ICD9-HASH-TABLE)
(SETF (GETHASH '"E891.1" ICD9-HASH-TABLE)
```

```
SETF CETHASH "1990.5." I IOD9-MASH-TABLE "Wenomous snakes and lizards")
SETF CETHASH "1990.5." I IOD9-MASH-TABLE "Wenomous snakes and lizards")
SETF CETHASH "1990.5." I IOD9-MASH-TABLE "Scorpion")
SETF CETHASH "1990.5." I IOD9-MASH-TABLE "Scorpion")
SETF CETHASH "1990.5." I IOD9-MASH-TABLE "Scorpion")
SETF CETHASH "1990.5." I IOD9-MASH-TABLE "Other venomous arthropods")
SETF CETHASH "1990.5." I IOD9-MASH-TABLE "Other venomous arthropods")
SETF CETHASH "1990.5." I IOD9-MASH-TABLE "Other venomous arthropods")
SETF CETHASH "1990.5." I IOD9-MASH-TABLE "Other specified")
SETF CETHASH "1990.5." I IOD9-MASH-TABLE "Other plants")
SETF CETHASH "1990.5." I IOD9-MASH-TABLE "Other plants")
SETF CETHASH "1990.6." I IOD9-MASH-TABLE "Other specified")
SETF CETHASH "1990.6." I IOD9-MASH-TABLE "Other specified on the state of other animal accept arthropod")
SETF CETHASH "1990.6." I IOD9-MASH-TABLE "Other specified on the state of other animal accept arthropod")
SETF CETHASH "1990.6." I IOD9-MASH-TABLE "Other specified on the state of other animal accept arthropod")
SETF CETHASH "1990.6." I IOD9-MASH-TABLE "Unit can storm "IOD9-MASH-TABLE "Unit can man animal activity with divin
```

"Other accidental drowning or submersion")
(SETF (GETHASH '"E910.9" ICD9-HASH-TABLE)
"Unspecified accidental drowning or submersion")

```
(SETF (GETHASH "E912" ICD9-HASH-TABLE)

"Inhalation and ingestion of food causing obstruction of respiratory tract or suffocation")

(SETF (GETHASH "E912" ICD9-HASH-TABLE)

"Inhalation and ingestion of other object causing obstruction of respiratory tract or suffocation")

(SETF (GETHASH "E913" ICD9-HASH-TABLE)

"Accidental mechanical suffocation")

(SETF (GETHASH "E913.0" ICD9-HASH-TABLE) "In bed or cradle")

(SETF (GETHASH "E913.2" ICD9-HASH-TABLE)

"Due to lack of air (in closed place)")

(SETF (GETHASH "E913.3" ICD9-HASH-TABLE)

"Due to lack of air (in closed place)")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CSETF (GETHASH "E913.8" ILU9-HASH-IARLE)

"By falling earth or tother substance")

(SETF (GETHASH "E913.8" ICD9-HASH-TARLE) "Other specified means")

(SETF (GETHASH "E913.9" ICD9-HASH-TARLE) "Unspecified means")

(SETF (GETHASH "E914" ICD9-HASH-TARLE)

"SETF (GETHASH "E914" ICD9-HASH-TARLE)

(SETF (GETHASH "E915" ICD9-HASH-TARLE)

"Struck accidentally entering other orifice")

(SETF (GETHASH "E917" ICD9-HASH-TARLE)

"Struck accidentally by falling object")

(SETF (GETHASH "E917.0" ICD9-HASH-TARLE)

"Striking against or struck accidentally by objects or persons")

(SETF (GETHASH "E917.1" ICD9-HASH-TARLE)

"Caused by a crowd, by collective fear or panic")

(SETF (GETHASH "E917.1" ICD9-HASH-TARLE)

"Caused by a crowd, by collective fear or panic")

(SETF (GETHASH "E917.1" ICD9-HASH-TARLE)

"Caused by a crowd, by collective fear or panic")

(SETF (GETHASH "E917.1" ICD9-HASH-TARLE)

"Caused by a crowd, by collective fear or panic")

(SETF (GETHASH "E919.1" ICD9-HASH-TARLE)

"Caught accidentally in or between objects")

(SETF (GETHASH "E919.1" ICD9-HASH-TARLE)

"Caught accidentally in or between objects")

(SETF (GETHASH "E919.1" ICD9-HASH-TARLE)

"Caught accidentally in or between objects")

(SETF (GETHASH "E919.1" ICD9-HASH-TARLE)

"Caught accidentally in or between objects")

(SETF (GETHASH "E919.1" ICD9-HASH-TARLE)

"Caught accidentally in or between objects")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF (GETHASH "E920.0" ICD9-HASH-TABLE) "Powered lawn mower")
(SETF (GETHASH "E920.0" ICD9-HASH-TABLE) "Powered lawn mower")
(SETF (GETHASH "E920.1" ICD9-HASH-TABLE)
(SETF (GETHASH "E920.2" ICD9-HASH-TABLE)
"Powered household appliances and implements")
(SETF (GETHASH "E920.3" ICD9-HASH-TABLE) "Knives, swords, and daggers")
(SETF (GETHASH "E920.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Other specified pressure vessels")
(SETF (GETHASH "E921.9" ICD9-HASH-TABLE) "Unspecified pressure vessel")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Earth moving, scraping, and other excavating machines") (SETF (GETHASH ""E919.8" ICD9-HASH-TABLE) "Other specified machinery") (SETF (GETHASH ""E919.9" ICD9-HASH-TABLE) "Unspecified machinery") (SETF (GETHASH ""E920" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Other specified cutting and piercing instruments or objects") (SETF (GETHASH ""E920.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Woodworking and forming machines")
(SETF (GETHASH "E919.5" ICD9-HASH-TABLE)
"Prime movers, except electrical motors")
(SETF (GETHASH "E919.6" ICD9-HASH-TABLE) "Transmission machinery")
(SETF (GETHASH "E919.7" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Lifting machines and appliances")
(SETF (GETHASH "E919.3" ICD9-HASH-TABLE) "Metalworking machines")
(SETF (GETHASH "E919.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Unspecified cutting and piercing instrument or object")
(SETF (GETHASH "E921" ICD9-HASH-TABLE)
"Accident caused by explosion of pressure vessel")
(SETF (GETHASH "E921.0" ICD9-HASH-TABLE) "Boilers")
(SETF (GETHASH "E921.1" ICD9-HASH-TABLE) "Gas cylinders")
(SETF (GETHASH "E921.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (GETHASH '"E920.5" ICD9-HASH-TABLE) "Hypodermic needle") (GETHASH '"E920.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Mining and earth-drilling machinery")
(SETF (GETHASH ""E919.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Other hand tools and implements"
(SETF (GETHASH '"E911" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF (GETHASH (SETF (GETHASH
```

```
CSTR (CETRAS "FESTA" TOOP-MASH-TARED")

CSTR (
```

Late effects of accidental poisoning")

```
SETE (GETHASH "EB30." ILOD-HASH-TARLE) "Antibiotics")
SETE (GETHASH "EB30." ILOD-HASH-TARLE) "Antibiotics")
SETE (GETHASH "EB30.0" ILOD-HASH-TARLE) "Antifungal antibiotics")
SETE (GETHASH "EB30.0" ILOD-HASH-TARLE) "Antifungal antibiotics")
SETE (GETHASH "EB30.1" ILOD-HASH-TARLE) "Chloramphenicol group")
SETE (GETHASH "EB30.3" ILOD-HASH-TARLE) "Chloramphenicol group")
SETE (GETHASH "EB30.4" ILOD-HASH-TARLE) "Cephalosporin group")
SETE (GETHASH "EB30.6" ILOD-HASH-TARLE) "Cephalosporin group")
SETE (GETHASH "EB30.7" ILOD-HASH-TARLE) "Antineoplastic antibiotics")
SETE (GETHASH "EB30.8" ILOD-HASH-TARLE) "Antineoplastic antibiotics")
SETE (GETHASH "EB30.8" ILOD-HASH-TARLE) "Unspecified antibiotics")
SETE (GETHASH "EB30.8" ILOD-HASH-TARLE) "Unspecified antibiotics")
SETE (GETHASH "EB31." ILOD-HASH-TARLE) "Other anti-infectives")
SETE (GETHASH "EB31." ILOD-HASH-TARLE) "Hospecified antibiotics")
SETE (GETHASH "EB31." ILOD-HASH-TARLE) "Heavy metal anti-infectives")
                    (SETF (GETHASH "E929.4" ICD9-HASH-TABLE)

(SETF (GETHASH "E929.4" ICD9-HASH-TABLE)

(SETF (GETHASH "E929.8" ICD9-HASH-TABLE)

(SETF (GETHASH "E929.8" ICD9-HASH-TABLE)

(SETF (GETHASH "E929.9" ICD9-HASH-TABLE)

"Late effects of accident due to natural and environmental factors")

(SETF (GETHASH "E929.9" ICD9-HASH-TABLE)

(SETF (GETHASH "E929.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF (GETHASH "E932.2" ICD9-HASH-TABLE)

(SETF (GETHASH "E932.2" ICD9-HASH-TABLE)

(SETF (GETHASH "E932.3" ICD9-HASH-TABLE)

(SETF (GETHASH "E932.3" ICD9-HASH-TABLE)

"Insulins and antidiabetic agents")

(SETF (GETHASH "E932.5" ICD9-HASH-TABLE)

(SETF (GETHASH "E932.5" ICD9-HASH-TABLE)

"Parathyroid and parathyroid derivatives")

(SETF (GETHASH "E932.6" ICD9-HASH-TABLE)

"Parathyroid and parathyroid derivatives")

(SETF (GETHASH "E932.7" ICD9-HASH-TABLE)

"Thyroid and thyroid derivatives")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Hormones and synthetic substitutes")
(GETHASH ""E932.0" ICD9-HASH-TABLE) "Adrenal cortical steroids")
(GETHASH ""E932.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CETHASH "E931.4" ICO9-HASH-TABLE)

(GETHASH "E931.4" ICO9-HASH-TABLE)

(GETHASH "E931.5" ICO9-HASH-TABLE)

(GETHASH "E931.5" ICO9-HASH-TABLE) "Other antiprotozoa")

(GETHASH "E931.6" ICO9-HASH-TABLE) "Anthelmintics")

(GETHASH "E931.7" ICO9-HASH-TABLE) "Antiviral drugs")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Thyroid and thyroid derivatives")
(SETF (GETHASH "TE932.9" ICD9-HASH-TABLE) "Antithyroid agents")
(SETF (GETHASH "TE932.9" ICD9-HASH-TABLE)
"Other and unspecified hormones and synthetic substitutes")
(SETF (GETHASH "TE933.0" ICD9-HASH-TABLE) "Primarily systemic agents")
(SETF (GETHASH "TE933.0" ICD9-HASH-TABLE)
"Antiallerio, and antiementic drugs")
(SETF (GETHASH "TE933.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF (GETHASH "E933.2" ICD9-HASH-TABLE) "Acidifying agents")
(SETF (GETHASH "E933.2" ICD9-HASH-TABLE) "Acidifying agents")
(SETF (GETHASH "E933.3" ICD9-HASH-TABLE) "Alkalizing agents")
(SETF (GETHASH "E933.4" ICD9-HASH-TABLE)
"Enzymes, not elsewhere classified")
(SETF (GETHASH "E933.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF (GETHASH "E931.9" ICD9-HASH-TABLE)
"Other and unspecified anti-infectives")
(SETF (GETHASH "E932" ICD9-HASH-TABLE)
    (GETHASH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SETF
(SETF
(SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                               (SETF
(SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
(SETF
(SETF
```

```
(SETE (CETMASH "1993) # TIOP HANN-TABLE |
"Other Systems to alsewhere classified")
(SETE (CETMASH "1993) # TIOP HANN-TABLE |
"Other Systems agents, not alsewhere classified")
(SETE (CETMASH "1993) # TIOP HANN-TABLE |
"Liver preparations and other antiament agents")
(SETE (CETMASH "1993) # TIOP HANN-TABLE |
"Liver preparations and other antiament agents")
(SETE (CETMASH "1993) # TIOP HANN-TABLE |
"Liver preparations and other antiament agents")
(SETE (CETMASH "1993) # TIOP HANN-TABLE |
"Liver preparations and other antiament agents")
(SETE (CETMASH "1993) # TIOP HANN-TABLE |
"Liver preparations and other antiament agents")
(SETE (CETMASH "1993) # TIOP HANN-TABLE |
"SETE (CETMASH "1993) # TIOP HANN-TABLE |
"SETE (CETMASH "1993) # TIOP HANN-TABLE |
"MARTICODAD HANN-TABLE |
"MARTICODA HANN-TABLE |
"MARTICOD
```

```
(SETF (GETHASH ""E941.0" ICO9-HASH-TABLE)

"Parasympathonimetics [cholinergics]")

(SETF (GETHASH ""E941.1" ICO9-HASH-TABLE)

"Parasympathollytics [anticholinergics and antimuscarinics] and spasmolytics")

(SETF (GETHASH ""E941.2" ICO9-HASH-TABLE)

"Sympathonimetics [adrenergics]")

(SETF (GETHASH ""E941.3" ICO9-HASH-TABLE)

"Sympatholytics [antidarenergics]")

(SETF (GETHASH ""E941.9" ICO9-HASH-TABLE)

"Unspecified drug primarily affecting the autonomic nervous system")

(SETF (GETHASH ""E942" ICO9-HASH-TABLE)

"Agents primarily affecting the cardiovascular system")

(SETF (GETHASH ""E942.1" ICO9-HASH-TABLE)

"Cardiotonic glycosides and drugs of similar action")

(SETF (GETHASH ""E942.1" ICO9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Other and unspecified agents primarily affecting the cardiovascular system") (SETF (GETHASH ""E943" ICD9-HASH-TABLE) "Agents primarily affecting gastrointestinal system") (SETF (GETHASH ""E943.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Psychodysleptics [hallucinogens]")
(GETHASH ""E939.7" ICD9-HASH-TABLE) "Psychostimulants")
(GETHASH ""E939.8" ICD9-HASH-TABLE) "Other psychotropic agents")
(GETHASH ""E939.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Antilipemic and antiarteriosclerotic drugs")
(GETHASH ""E942.3" ICD9-HASH-TABLE) "Ganglion-blocking agents")
(GETHASH ""E942.4" ICD9-HASH-TABLE) "Coronary vasodilators")
(GETHASH ""E942.5" ICD9-HASH-TABLE) "Other vasodilators")
(GETHASH ""E942.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                 "Phenothiazine-based tranquilizers")
(GETHASH "E939.2" ICD9-HASH-TABLE)
"Butyrophenone-based tranquilizers")
(GETHASH "E939.3" ICD9-HASH-TABLE)
"Other antipsychotics, neuroleptics, and major tranquilizers")
(GETHASH "E939.4" ICD9-HASH-TABLE)
(GETHASH "E939.5" ICD9-HASH-TABLE)
(GETHASH "E939.5" ICD9-HASH-TABLE)
(GETHASH "E939.5" ICD9-HASH-TABLE)
(GETHASH "E939.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Other antihypertensive agents")
(SETF (GETHASH "E942.7" ICD9-HASH-TABLE)
"Antivaricose drugs, including sclerosing agents")
(SETF (GETHASH "E942.8" ICD9-HASH-TABLE) "Capillary-active drugs")
(SETF (GETHASH "E942.9" ICD9-HASH-TABLE)
                                                                                               (SETF (GETHASH "E938.6" ICD9-HASH-TABLE)

(SETF (GETHASH "E938.6" ICD9-HASH-TABLE)

(SETF (GETHASH "E938.7" ICD9-HASH-TABLE)

(SETF (GETHASH "E938.9" ICD9-HASH-TABLE)

"Other and unspecified local anesthetics")

(SETF (GETHASH "E939" ICD9-HASH-TABLE) "Psychotropic agents")

(SETF (GETHASH "E939.0" ICD9-HASH-TABLE) "Psychotropic agents")

(SETF (GETHASH "E939.0" ICD9-HASH-TABLE) "Antidepressants")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Central nervous system stimulants")
(GETHASH "E940.0" LOD9-MASH-TABLE) "Analeptics")
(GETHASH "E940.1" LCD9-MASH-TABLE) "Opiate antagonists")
(GETHASH "E940.8" LCD9-MASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Other specified central nervous system stimulants")
(GETHASH "E840.9" ICD9-HASH-TABLE)
"Unspecified central nervous system stimulant")
(GETHASH "E941" ICD9-HASH-TABLE)
"Drugs primarily affecting the autonomic nervous system")
                      "Other and unspecified general anesthetics")
(SETF (GETHASH ""E938.5" ICD9-HASH-TABLE)
(SETF (GETHASH '"E938.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Unspecified psychotropic agent")
(GETHASH '"E940" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SETF
```

```
(SETF (GETHASH "E945." LLU9-HASH-TABLE)

(SETF (GETHASH "E945." LLU9-HASH-TABLE) "Oxytocic agents.")

(SETF (GETHASH "E945." ICO9-HASH-TABLE) "Oxytocic agents.")

(SETF (GETHASH "E945." ICO9-HASH-TABLE) "Sanoth muscle relaxants.")

(SETF (GETHASH "E945." ICO9-HASH-TABLE) "Sanoth muscle relaxants.")

(SETF (GETHASH "E945." ICO9-HASH-TABLE) "Antitussives.")

(SETF (GETHASH "E945." ICO9-HASH-TABLE) "Kapetorants.")

(SETF (GETHASH "E945." ICO9-HASH-TABLE) "Antitussives.")

(SETF (GETHASH "E945." ICO9-HASH-TABLE) "Antitomnon cold drugs.")

(SETF (GETHASH "E945." ICO9-HASH-TABLE) "Antitomnon cold drugs.")

(SETF (GETHASH "E945." ICO9-HASH-TABLE)

(SETF (GETHASH "E946." ICO9-HASH-TABLE)

(SE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Emollients, demulcents, and protectants")

(SETF (GETHASH "E946.4" ICD9-HASH-TABLE)

(SETF (GETHASH "E946.1" ICD9-HASH-TABLE)

(SETF (GETHASH "E946.2" ICD9-HASH-TABLE)

(SETF (GETHASH "E946.2" ICD9-HASH-TABLE)

(SETF (GETHASH "E946.0" ICD9-HASH-TABLE)

"Anti-infectives and other eye drugs and preparations for ear, nose, and throat")

(SETF (GETHASH "E946.7" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                            "Other specified agents primarily affecting the gastrointestinal system") (GETHASH "E943.9" ICD9-HASH-TABLE)
"Unspecified agent primarily affecting the gastrointestinal system") (GETHASH "E944" ICD9-HASH-TABLE)
"Water, mineral, and uric acid metabolism drugs")
(GETHASH "E944.1" ICD9-HASH-TABLE) "Mercurial diuretics")
(GETHASH "E944.1" ICD9-HASH-TABLE) "Purine derivative diuretics")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Other agents primarily affecting skin and mucous membrane")
(SETF (GETHASH ""E946.9" ICD9-HASH-TABLE)
"Unspecified agent primarily affecting skin and mucous membrane")
(SETF (GETHASH ""E947" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Electrolytic, caloric, and water-balance agents")
(GETHASH ""E944.6" ICD9-HASH-TABLE)
"Other mineral salts, not elsewhere classified")
(GETHASH ""E945" ICD9-HASH-TABLE) "Uric acid metabolism drugs")
(GETHASH ""E945" ICD9-HASH-TABLE)
"Antacids and antigastric secretion drugs")
(GETHASH "E943.2" ICD9-HASH-TABLE) "Irritant cathartics")
(GETHASH "E943.2" ICD9-HASH-TABLE) "Emollient cathartics")
(GETHASH "E943.3" ICD9-HASH-TABLE)
"Other cathartics, including intestinal atonia drugs")
(GETHASH "E943.4" ICD9-HASH-TABLE) "Digestants")
(GETHASH "E943.5" ICD9-HASH-TABLE) "Antidiarrheal drugs")
(GETHASH "E943.6" ICD9-HASH-TABLE) "Emetics")
(GETHASH "E943.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Antidotes and chelating agents, not elsewhere classified") (SETF (GETHASH "E947.3" ICD9-HASH-TABLE) "Alcohol deterrents")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Other and unspecified drugs and medicinal substances") (SETF (GETHASH ""E94.0") (SETF (GETHASH "E94.7") ICD9-HASH-TABLE) "Dietetics") (SETF (GETHASH "E947.1" ICD9-HASH-TABLE) "Lipotropic drugs") (SETF (GETHASH "E947.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Carbonic acid anhydrase inhibitors")
(GETHASH "E644 a" ICD9-HASH-TABLE) "Saluretics")
(GETHASH "E644 4" ICD9-HASH-TABLE) "Other diuretics")
(GETHASH "E944.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Dental drugs topically applied")
(SETF (GETHASH '"E946.8" ICD9-HASH-TABLE)
                                                             (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                     (SETF
(SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (SETF
(SETF
```

```
Varicultural and horticultural chemical and pharmaceutical preparations other than plant foods and fertilizers")

(SETF (GETHASH "E950.7" ICD9-HASH-TABLE)

"Corrosive and caustic substances")

(SETF (GETHASH "E950.8" ICD9-HASH-TABLE)

"SETF (GETHASH "E950.9" ICD9-HASH-TABLE)

"Other and unspecified solid and liquid substances")

(SETF (GETHASH "E950.9" ICD9-HASH-TABLE)

"Suicide and self-inflicted poisoning by gases in domestic use")

(SETF (GETHASH "E951." ICD9-HASH-TABLE)

"Suicide and self-inflicted poisoning by gases in domestic use")

(SETF (GETHASH "E951.0" ICD9-HASH-TABLE)

(SETF (GETHASH "E951.1" ICD9-HASH-TABLE)

(SETF (GETHASH "E951.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SETF (CETHASH "E949.0" ICD9-HASH-TABLE) "Smallpox vaccine")
(SETF (CETHASH "E949.0" ICD9-HASH-TABLE) "Smallpox vaccine")
(SETF (CETHASH "E949.1" ICD9-HASH-TABLE) "Rabies vaccine")
(SETF (CETHASH "E949.2" ICD9-HASH-TABLE) "Yephus vaccine")
(SETF (CETHASH "E949.4" ICD9-HASH-TABLE) "Wellow fever vaccine")
(SETF (CETHASH "E949.4" ICD9-HASH-TABLE) "Wellow fever vaccine")
(SETF (CETHASH "E949.5" ICD9-HASH-TABLE) "Poliomyelitis vaccine")
(SETF (CETHASH "E949.5" ICD9-HASH-TABLE)
"Wixed viral-rickettsial and hacterial vaccines, except combinations with a pertussis component")
(SETF (CETHASH "E949.9" ICD9-HASH-TABLE)
"Wixed viral-rickettsial and bacterial vaccines, except combinations with a pertussis component")
(SETF (CETHASH "E949.9" ICD9-HASH-TABLE)
"Other and unspecified vaccines and biological substances")
(SETF (CETHASH "E940.0" ICD9-HASH-TABLE)
"Suicide and self-inflicted poisoning by solid or liquid substances")
(SETF (CETHASH "E950" ICD9-HASH-TABLE)
"Suicide and self-inflicted poisoning by solid or liquid substances")
(SETF (CETHASH "E950" ICD9-HASH-TABLE)
"Suicide and self-inflicted poisoning by solid or liquid substances")
                                                                                                                                                                                      CSETF (GETHASH ""E948" ICD9-HASH-TABLE) "Bacterial vaccines")

(SETF (GETHASH ""E948" ICD9-HASH-TABLE) "Bacterial vaccines")

(SETF (GETHASH ""E948.0" ICD9-HASH-TABLE) "BCG vaccine")

(SETF (GETHASH "E948.1" ICD9-HASH-TABLE) "Typhoid and paratyphoid")

(SETF (GETHASH "E948.2" ICD9-HASH-TABLE) "Typhoid and paratyphoid")

(SETF (GETHASH "E948.3" ICD9-HASH-TABLE) "Totanus")

(SETF (GETHASH "E948.5" ICD9-HASH-TABLE) "Diphtheria")

(SETF (GETHASH "E948.6" ICD9-HASH-TABLE) "Diphtheria")

(SETF (GETHASH "E948.8" ICD9-HASH-TABLE)

"Pertussis vaccine, including combinations with a pertussis component")

(SETF (GETHASH "E948.8" ICD9-HASH-TABLE)

"Other and unspecified bacterial vaccines")

(SETF (GETHASH "E948.9" ICD9-HASH-TABLE)

"Other and unspecified bacterial vaccines")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Mixed bacterial vaccines, except combinations with a pertussis component")
(SETF (GETHASH ""E949" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Other specified gases and vapors") (SETF (GETHASH "E952.9" ICD9-HASH-TABLE) "Unspecified gases and vapors") (SETF (GETHASH "E953" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Liqueffed petroleum gas distributed in mobile containers")
(SETF (GETHASH "E951.8" ICD9-HASH-TABLE) "Other utility gas")
(SETF (GETHASH "E952" ICD9-HASH-TABLE)
"Suicide and self-inflicted poisoning by other gases and vapors")
(SETF (GETHASH "E952.0" ICD9-HASH-TABLE) "Motor vehicle exhaust gas")
(SETF (GETHASH "E952.1" ICD9-HASH-TABLE) "Other carbon monoxide")
(SETF (GETHASH "E952.8" ICD9-HASH-TABLE)
(GETHASH '"E947.4" ICD9-HASH-TABLE) "Pharmaceutical excipients")
(GETHASH '"E947.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Analgasics, antipyretics, and antirheumatics")
(SETF (GETHASH "E950.1" ICD9-HASH-TABLE) "Barbiturates")
(SETF (GETHASH "E950.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Other specified drugs and medicinal substances")
(SETF (GETHASH "E950.5" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Other sedatives and hypnotics")
(SETF (GETHASH ""1950.3" ICD9-MASH-TABLE)
"Tranquilizers and other psychotropic agents")
(SETF (GETHASH ""E950.4" ICD9-MASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Unspecified drug or medicinal substance")
(SETF (GETHASH ""E950.6" ICD9-HASH-TABLE)
                                                                                                         "Other drugs and medicinal substances")
(GETHASH '"E947.9" ICD9-HASH-TABLE)
     (SETF
(SETF
                                                                                                                                                                      (SETF
```

```
SETT CETHASH "1993." ICO-MASH TARED "SUFFEE of any plastic bar (SETT CETHASH "1993." ICO-MASH TARED "SUFFEE of any plastic bar (SETT CETHASH "1993." ICO-MASH TARED "SUFFEE of any plastic bar (SETT CETHASH "1993." ICO-MASH TARED "SUFFEE of any solid control of a
```

```
(STIF (CETMASH "FEGE" IDDO-HASH-TARED)

CETMINSH "EGES" IDDO-HASH-TARED)

(GETHASH "E965.5" ICD9-HASH-TABLE) "Antipersonnel bomb")
(GETHASH "E965.6" ICD9 HASH-TABLE) "Gasoline bomb")
(GETHASH "E965.7" ICD9-HASH-TABLE) "Letter bomb")
(GETHASH "E965.8" ICD9-HASH-TABLE) "Other specified explosive")
(GETHASH "E965.9" ICD9-HASH-TABLE) "Unspecified explosive")
(GETHASH "E966" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Analgesics, antipyretics, and antirheumatics")
(SETF (GETHASH "E980.1" ICD9-HASH-TABLE) "Barbiturates")
(SETF (GETHASH "E980.2" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Other specified drugs and medicinal substances")
(SETF (GETHASH "E980.5" ICD9-HASH-TABLE)
"Unspecified drug or medicinal substance")
(SETF (GETHASH "E980.6" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Other sedatives and hypnotics")
(SETF (GETHASH "-1980.3")
"Tranquilizers and other psychotropic agents")
(SETF (GETHASH ""E980.4" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Corrosive and caustic substances")
(SETF (GETHASH "E980.7" ICD9-HASH-TABLE)
        SETF
SETF
SETF
SETF
SETF
SETF
```

```
"Agricultural and horticultural chemical and pharmaceutical preparations other than plant foods and fertilizers")
(SETF (GETHASH "E980.8" ICD9-HASH-TABLE) "Arsenic and its compounds")
(SETF (GETHASH "E980.9" ICD9-HASH-TABLE)
(SETF (GETHASH "E981" ICD9-HASH-TABLE)
(SETF (GETHASH "E981" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CSTF (GETHASH "E985.5" ICD9-HASH-TABLE) "Explosives")

(SETF (GETHASH "E985.5" ICD9-HASH-TABLE) "Air gun")

(SETF (GETHASH "E985.6" ICD9-HASH-TABLE) "Air gun")

(SETF (GETHASH "E986.0" ICD9-HASH-TABLE) "Air gun")

(SETF (GETHASH "E987" ICD9-HASH-TABLE)

"Injury by cutting and piercing instruments, undetermined whether accidentally or purposely inflicted")

(SETF (GETHASH "E987.0" ICD9-HASH-TABLE) "Residential premises")

(SETF (GETHASH "E987.0" ICD9-HASH-TABLE) "Residential premises")

(SETF (GETHASH "E987.2" ICD9-HASH-TABLE) "Natural sites")

(SETF (GETHASH "E987.3" ICD9-HASH-TABLE) "Unspecified site")

(SETF (GETHASH "E988" ICD9-HASH-TABLE) "Unspecified site")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Hanging, strangulation, or suffocation, undetermined whether accidentally or purposely inflicted")

(SETF (GETHASH "E883.0" ICD9-HASH-TABLE) "Hanging")

(SETF (GETHASH "E883.1" ICD9-HASH-TABLE) "Suffocation by plastic bag")

(SETF (GETHASH "E883.8" ICD9-HASH-TABLE) "Unspecified means")

(SETF (GETHASH "E883.1" ICD9-HASH-TABLE) "Unspecified means")

(SETF (GETHASH "E883.1" ICD9-HASH-TABLE) "Unspecified means")

(SETF (GETHASH "E885.1" ICD9-HASH-TABLE) "Handgun")

(SETF (GETHASH "E885.1" ICD9-HASH-TABLE) "Handgun")

(SETF (GETHASH "E985.1" ICD9-HASH-TABLE) "Shotgun")

(SETF (GETHASH "E985.2" ICD9-HASH-TABLE) "Handgun")

(SETF (GETHASH "E985.3" ICD9-HASH-TABLE) "Hunting rifle")

(SETF (GETHASH "E985.3" ICD9-HASH-TABLE) "Hunting rifle")

(SETF (GETHASH "E985.3" ICD9-HASH-TABLE) "Hunting rifle")

(SETF (GETHASH "E985.3" ICD9-HASH-TABLE) "Hinting rifle")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Injury by other and unspecified means, undetermined whether accidentally or purposely inflicted") (SETF (GETHASH ""E988.0" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                    "Poisoning by gases in domestic use, undetermined whether accidentally or purposely inflicted")
(GETHASH ""E981.0" ICD9-HASH-TABLE) "Gas distributed by pipeline")
(GETHASH ""E981.1" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               "Poisoning by other gases, undetermined whether accidentally or purposely inflicted") (GETHASH "E982.0" (TOD-HASH-TABLE) "Motor vehicle exhaust gas") (GETHASH "E982.1" ICD9-HASH-TABLE) "Other carbon monoxide") (GETHASH "E982.8" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Caustic substances, except poisoning")
(SETF (GETHASH "E988.8" ICD9-HASH-TABLE) "Other specified means")
(SETF (GETHASH "E988.9" ICD9-HASH-TABLE)
(SETF (GETHASH "E988.9" ICD9-HASH-TABLE)

"Late effects of injury, undetermined whether accidentally or purposely inflicted")
(SETF (GETHASH "E990" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Other specified gases and vapors")
(GETHASH '"E982.9" ICD9-HASH-TABLE) "Unspecified gases and vapors")
(GETHASH '"E983" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SETF (GETHASH "E888.1" ICD9-HASH-TABLE) "Burns, fire")
(SETF (GETHASH "E888.1" ICD9-HASH-TABLE) "Scald")
(SETF (GETHASH "E888.3" ICD9-HASH-TABLE) "Extremes of cold")
(SETF (GETHASH "E888.3" ICD9-HASH-TABLE) "Extremes of cold")
(SETF (GETHASH "E988.3" ICD9-HASH-TABLE) "Crashing of motor vehicle")
(SETF (GETHASH "E988.6" ICD9-HASH-TABLE) "Crashing of aircraft")
(SETF (GETHASH "E988.7" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Injury due to war operations by fires and conflagrations") (SETF (GETHASH "E990.0" ICD9-HASH-TABLE) "From gasoline bomb") (SETF (GETHASH "E990.9" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                  "Liquefied petroleum gas distributed in mobile containers") (GETHASH ""E981.8" ICD9-HASH-TABLE) "Other utility gas") (GETHASH "E982" ICD9-HASH-TABLE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "From other and unspecified source")
(SETF (GETHASH '"E991" ICD9-HASH-TABLE)
"Injury due to war operations by bullets and fragments")
                                                                                                                                                                                                                                                                                                    (SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                       (SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SETF
(SETF
(SETF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SETF
(SETF
```

```
(SETF (GETHASH "E991.0" ICD9-HASH-TABLE) "Rubber bullets (rifle)")
(SETF (GETHASH "E991.1" ICD9-HASH-TABLE)
(SETF (GETHASH "E991.2" ICD9-HASH-TABLE)
(SETF (GETHASH "E991.3" ICD9-HASH-TABLE)
(SETF (GETHASH "E991.3" ICD9-HASH-TABLE)

"Artipersonnel bomb (fragments")
(SETF (GETHASH "E992.1" ICD9-HASH-TABLE)
"Other and unspecified fragments")
(SETF (GETHASH "E992.1" ICD9-HASH-TABLE)
"Injury due to war operations by explosion of marine weapons")
(SETF (GETHASH "E993 "ICD9-HASH-TABLE)
"Injury due to war operations by destruction of aircraft")
(SETF (GETHASH "E994" ICD9-HASH-TABLE)
"Injury due to war operations by destruction of aircraft")
(SETF (GETHASH "E995" ICD9-HASH-TABLE)
"Injury due to war operations by other and unspecified forms of conventional warfare")
(SETF (GETHASH "E995" ICD9-HASH-TABLE)
"Injury due to war operations by other forms of unconventional warfare")
(SETF (GETHASH "E997 "ICD9-HASH-TABLE)
"Injury due to war operations by other forms of unconventional warfare")
(SETF (GETHASH "E997 "ICD9-HASH-TABLE) "Lassers")
(SETF (GETHASH "E997 "ICD9-HASH-TABLE) "Sess, fumes, and chemicals")
(SETF (GETHASH "E997 "ICD9-HASH-TABLE)
"Unspecified forms of unconventional warfare")
(SETF (GETHASH "E997 "ICD9-HASH-TABLE)
"Unspecified form of unconventional warfare")
(SETF (GETHASH "E998" ICD9-HASH-TABLE)
"Unspecified form of unconventional warfare")
(SETF (GETHASH "E998" ICD9-HASH-TABLE)
"Unjury due to war operations but occurring after cessation of hostilities")
(SETF (GETHASH "E999" ICD9-HASH-TABLE)
"Unjury due to war operations but occurring after cessation of hostilities")
"Late effect of injury due to war operations")
"Late effect of injury due to war operations")
```

```
;; Code for the dialog :files-dialog
         (in-package :common-graphics-user)
                (defclass files-dialog (dialog)
())
```

;; Code for the dialog :patients

(in-package :common-graphics-user) (defclass patients-dialog (dialog) ((patient-info-dialog

.....nTo-dialog :accessor patient-info-dialog :initform nil)

```
(mapcar #'(lambda (x) (if (not (equal (specialist-id (eval (string-to-symbol x))) "")) x))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (mapcar #'(lambda (x) (if (equal (specialist-id (eval (string-to-symbol x))) "") x))
all-consults)
:test #'equal))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (eval (set-dialog-field (patient-info) :pat-firstname-value ,firstname))
(eval (set-dialog-field (patient-info) :pat-man-value ,mi))
(eval (set-dialog-field (patient-info) :pat-lastname-value ,lastname))
(eval (set-dialog-field (patient-info) :pat-san-value ,san))
(eval (set-dialog-field (patient-info) :pat-patient-id-value ,id))
(eval (set-dialog-field (patient-info) :pat-dob-value (quote ,dob)))
(if (equal sex "Male")
(set-dialog-field (patient-info) :pat-male t)
(set-dialog-field (patient-info) :pat-female t)
(eval (set-dialog-field (patient-info) :pat-military-status-value (quote ,military-status)))
(eval (set-dialog-field (patient-info) :pat-military-rank-value (quote ,military-rank)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (sex (sex patient-instance))
(military-status (princ-to-string (military-status patient-instance)))
(military-rank (military-rank patient-instance))
(fone-number (princ-to-string (phone-number patient-instance)))
(fone-phone-number (princ-to-string (home-phone-number patient-instance)))
(all-consults (consults patient-instance))
(list-of-consults (remove nil
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (name x)) (dialog-items (patient-info))))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (encode-universal-time 0 0 0
(nth 0 birthdate)
(nth 1 birthdate)
(nth 2 birthdate) *time-zone*)))))
                                                                                                                                                                                                                                                                                                                                                (mi (mi patient-instance))
(id (id patient-instance))
(dob (dob patient-instance))
  (dob (if birthdate (string (date-from-universal-time)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      .... r lamb
all-consults)
:test #'equal))
(list-of-new-consults (remove nil
                                                                                                                                                                                                           (let* ((patient-instance (eval (value patient-list)))
  (ssn (ssn patient-instance))
  (lastname (lastname patient-instance))
                                                                                                                                                                                                                                                                                                                          (firstname (firstname patient-instance))
(defun patients-dialog-display-on-click (dialog widget)
  (declare (ignore-if-unused dialog widget))
  (let ((patient-list nil))
                                                                                                                                     ((find-widget :patient-list dialog)) (when (value patient-list)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (items (mapcar #'(lambda (x)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (setf pat-list-of-consults
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (close dialog)
(select-window (patient-info))
                                                                                                               (setf patient-list
```

```
(ref (equal (string-trin '(4)gates) cdt-code) "") ""

(ref (equal (string-trin' (4)gates) cdt-code) "") ""

(ref (cdt-number (string-tring) classeq (string cdt-code) 1))))

(cand (acti-number 1900))

(red (be cdt-number 1900))

(red (be cdt-number 1900))

(red (be cdt-number 1900))

(red (cact-number 1900))

(red (be cdt-number 10))

(red (cond (red supe-number 10))

(red (red (de red supe-number 10))

(red (red (de red supe-number 10))

(red (and (ce red (super 10))

(red
```

```
;;;(pprint (mapcar #'(lambda (x) (specialty-consistency-check (eval x)))
;;;
(cdr (reverse (list-of-instances temp-consult))))
```

;; Code for the dialog: consult-info-2

(in-package :common-graphics-user)
(defclass consult-info-2 (dialog)

6

```
(set-dialog-field (consult-info-2): new-consult-military-status-value ""))

(eval (set-dialog-field (consult-info-2): new-consult-military-status-value ""))

(eval (set-dialog-field (consult-info-2): new-consult-military-muber-value ""))

(eval (set-dialog-field (consult-info-2): new-consult-phone-number-value ""))

(eval (set-dialog-field (consult-info-2): new-consult-phone-number-value ""))

(eval (set-dialog-field (consult-info-2): new-consult-enfo-1): new-consult
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (eval (set-dialog-field (consult-info-2) :new-consult-firstname-value ""))

(eval (set-dialog-field (consult-info-2) :new-consult-mi-value ""))

(eval (set-dialog-field (consult-info-2) :new-consult-patient-id-value ""))

(eval (set-dialog-field (consult-info-2) :new-consult-dob-value ""))

(set-dialog-field (consult-info-2) :new-consult-dob-value ""))

(set-dialog-field (consult-info-2) :new-consult-male "")

(set-dialog-field (consult-info-2) :new-consult-male "")

(set-dialog-field (consult-info-2) :new-consult-male "")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (let* ((firstname (dialog-field (consult-info-2) :new-consult-firstname-value))
                                                                                                                                                                                                                                                                                                                                                             (defun consult-info-2-clear-form-button-on-click (dialog widget)
(defun consult-info-2-close-button-on-click (dialog widget)
(declare (ignore-if-unused dialog widget))
  (close (consult-info-2))
  (select-window (tdent))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (defun consult-info-2-save-button-on-click (dialog widget)
  (declare (ignore-if-unused dialog widget))
                                                                                                                                                                                                                                                                                                                                                                                                                   (declare (ignore-if-unused dialog widget))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ç
```

```
(if (member patient-instance-symbol (list-of-instances temp-patient))
  (setf (consults (eval patient-instance-symbol)) (remove-duplicates
  (setf (consults (eval patient-instance-symbol)) (push (princ-to-string consult-instance-symbol))
  :test #'equal))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (push (princ-to-string consult-instance-symbol) (consults (eval patient-instance-symbol))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (make-a-class-instance 'consult-request consult-instance-symbol) (dialog-field (consult-info-2) :new-consult-id-value))

(setf (consult-number (eval consult-instance-symbol)) (dialog-field (consult-info-2) :new-consult-id-value))

(setf (patient-name (eval consult-instance-symbol)) (concatenate 'string firstname "-" m' "-" lastname))

(setf (chief-complaints (eval consult-instance-symbol)) (dialog-field (consult-info-2) :new-consult-conplaints-value))

(setf (exam-findings (eval consult-instance-symbol)) (dialog-field (consult-info-2) :new-consult-provisional-diagnosis-value))

(setf (referring-id (eval consult-instance-symbol)) (dialog-field (consult-info-2) :new-consult-referring-id-value))

(setf (referring-location (eval consult-instance-symbol)) (dialog-field (consult-info-2) :new-consult-date-of-request-value))

(setf (date-of-request (eval consult-instance-symbol)) (dialog-field (consult-info-2) :new-consult-date-of-request-value))

(setf (urgen-of-request (eval consult-instance-symbol)) (dialog-field (consult-info-2) :new-consult-date-of-request-value))

(setf (modality (eval consult-instance-symbol)) (dialog-field (consult-info-2) :new-consult-date-of-request-value))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (phone-number (eval patient-instance-symbol)) (dialog-field (consult-info-2) :new-consult-phone-number-value))
(home-phone-number (eval patient-instance-symbol)) (dialog-field (consult-info-2) :new-consult-home-phone-number-value))
(consults (eval patient-instance-symbol)) (remove-duplicates
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (make-a-class-instance 'patient patient-instance-symbol) (dialog-field (consult-info-2) :new-consult-firstname-value))
(setf (printname (eval patient-instance-symbol)) (dialog-field (consult-info-2) :new-consult-firstname-value))
(setf (firstname (eval patient-instance-symbol)) (dialog-field (consult-info-2) :new-consult-lastname-value))
(setf (ssn (eval patient-instance-symbol)) (dialog-field (consult-info-2) :new-consult-age-value))
(setf (age (eval patient-instance-symbol)) (dialog-field (consult-info-2) :new-consult-age-value))
(setf (age (eval patient-instance-symbol)) (dialog-field (consult-info-2) :new-consult-dob-value))
(setf (do (eval patient-instance-symbol)) (dialog-field (consult-info-2) :new-consult-dob-value))
(setf (deval patient-instance-symbol)) (dialog-field (consult-info-2) :new-consult-female) 'Female')
(setf (military-status (eval patient-instance-symbol)) (dialog-field (consult-info-2) :new-consult-military-status-value))
(setf (military-ank (eval patient-instance-symbol)) (dialog-field (consult-info-2) :new-consult-military-rank-value))
(setf (phone-number (eval patient-instance-symbol)) (dialog-field (consult-info-2) :new-consult-military-rank-value))
                                                                                                                                                                                                                                        (patient-instance-symbol (string-to-symbol (concatenate string firstname "-" mi "-" lastname)))
(consult-instance-symbol (string-to-symbol (concatenate string "c" (princ-to-string consult-id))))
(chief-complaints (dialog-field (consult-info-2) new-consult-chief-complaints-value))
(history (dialog-field (consult-info-2) new-consult-history-value))
(exam-findings (dialog-field (consult-info-2) new-consult-exam-findings-value))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           nı:
(mapcar #'(lambda (x)
(if (search y (nth 1 x)) (nth 0 x)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              :new-consult-provisional-diagnosis-value))
                                                                                                                                                                                        :new-consult-patient-id-value))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (specialty (dialog-field (consult-info-2) :new-consult-specialty-value)) (cdts (dialog-field (consult-info-2) :new-consult-procedure-codes-value))
                                                      (lastname (dialog-field (consult-info-2) :new-consult-lastname-value)) (consult-id (dialog-field (consult-info-2) :new-consult-id-value)) (patient-id (dialog-field (consult-info-2) :new-consult-patient-id-valu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (urgency (dialog-field (consult-info-2) :new-consult-urgency-value))
(modality (dialog-field (consult-info-2) :new-consult-modality-value))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     :test #'equal))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   :test #'equal))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (string-to-list exam-findings)))
(chief-complaints-proc-info (mapcar #'(lambda (y)
(mi (dialog-field (consult-info-2) :new-consult-mi-value))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (remove nil
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (provisional-diagnosis (dialog-field (consult-info-2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (remove nil
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    #|(let* ((exam-findings-procedure-string exam-findings)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (exam-findings-proc-info (mapcar #'(lambda (y)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        setf
(setf
(setf
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (progn
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                \stackrel{\sim}{\sim}
```

```
'setf (lastname (eval consult-instance-symbol)) (dialog-field (consult-info-2) :new-consult-specialist-lastname-value))
(setf (firstname (eval consult-instance-symbol)) (dialog-field (consult-info-2) :new-consult-specialist-firstname-value))
(setf (id (eval consult-instance-symbol)) (dialog-field (consult-info-2) :new-consult-specialist-id-value))
(setf (location (eval consult-instance-symbol)) (dialog-field (consult-info-2) :new-consult-specialist-location-value))
(setf (consults (eval specialist-instance-symbol)) (dialog-field (consult-info-2) :new-consult-id-value) (slot-value (eval patient-instance-symbol)) (consult-info-2) :new-consult-ind-value)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     rogn :else
(make-a-class-instance 'specialist specialist-instance-symbol)
(setf (printname (eval consult-instance-symbol)) (dialog-field (consult-info-2) (concatenate 'string "SPEC" (dialog-field (consult-info-2 :new-consult-specialist-id-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           f (member specialist-instance-symbol (list-of-instances temp-specialist))
(setf (consults (eval specialist-instance-symbol)) (push (dialog-field (consult-info-2) :new-consult-id-value) (consults (eval specialist-instance-symbol)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (Setf (suggested-treatment (eval consult-instance-symbol)) (dialog-field (consult-info-2) :new-consult-suggested-treatment-value))
(Setf (specialist-firstname (eval consult-instance-symbol)) (dialog-field (consult-info-2) :new-consult-specialist-firstname-value))
(Setf (specialist-lastname (eval consult-instance-symbol)) (dialog-field (consult-info-2) :new-consult-specialist-lavalue))
(Setf (specialist-ind (eval consult-instance-symbol)) (dialog-field (consult-info-2) :new-consult-specialist-rank-value))
(Setf (specialist-rank (eval consult-instance-symbol)) (dialog-field (consult-info-2) :new-consult-specialist-location-value))
(Setf (specialist-location (eval consult-instance-symbol)) (dialog-field (consult-info-2) :new-consult-specialist-location-value))
(Setf (date-of-visit-by-specialist (eval consult-instance-symbol)) (dialog-field (consult-info-2) :new-consult-specialist-location-value))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (setq spec-symbol (string-to-symbol (concatenate 'string "SPEC" (princ-to-string (dialog-field (consult-info-2) :new-consult-specialist-id-value))))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ;(setg specialist-instance-symbol (string-to-symbol (concatenate 'string "SPEC" (dialog-field (consult-info-2) :new-consult-specialist-id-value))))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (procedure-codes (eval consult-instance-symbol)) (string-to-list (dialog-field (consult-info-2) :new-consult-procedure-codes-value)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (setf (specialty (eval consult-instance-symbol)) (dialog-field (consult-info-2) :new-consult-specialty-value))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (diagnosis (eval consult-instance-symbol)) (dialog-field (consult-info-2) :new-consult-diagnosis-value))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              .cst.dialog-field (consult-info-2) :new-consult-specialist-location-value (location (eval spec-symbol))) (set-dialog-field (consult-info-2) :new-consult-specialist-firstname-value (firstname (eval spec-symbol))) (set-dialog-field (consult-info-2) :new-consult-specialist-lastname-value (lastname (eval spec-symbol)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (if (search y (nth 1 \times)) (nth 0 \times)))
                                                                  (if (search y (nth 1 \times 1) (nth 0 \times 1))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (cdts-in-common (intersection (intersection exam-findings-proc-info chief-complaints-proc-info) provisional-diagnosis-proc-info))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (string-to-list provisional-diagnosis)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (mapcar #'(lambda (x)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                *all-cdt-codes*)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (defun consult-info-2-specialist-id-value-on-change (widget new-value old-value)
(mapcar #'(lambda (x)
                                                                                                                              *all-cdt-codes*)
                                                                                                                                                                                                               :test #'equal))
(string-to-list chief-complaints)))
                                                                                                                                                                                                                                                                                                                                                                                                                        (remove nil
                                                                                                                                                                                                                                                                                                                                                     (provisional-diagnosis-proc-info (mapcar #'(lambda (y)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (member spec-symbol (list-of-instances temp-specialist))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (declare (ignore-if-unused widget new-value old-value))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           explanation-of-diagnostic-codes:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     explanation-of-procedure-codes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (pprint cdts-in-common)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; Accept the new value
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (progn
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     value)))))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ţ.
```

```
consult-id (make-string-of-given-length consult-id 7)
referring-location (make-string-of-given-length referring-location 10)
specialty (make-string-of-given-length specialty 15)
urgency (make-string-of-given-length urgency 10)
("( (list-to-string modality) ")" (make-string-of-given-length (list-to-string modality) 23)
time (make-string-of-given-length (list-to-string modality) 23)
date-of-request (make-string-of-given-length time 15)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (defun new-consult-classifier-button-on-click (dialog widget)
  (declare (ignore-if-unused dialog widget))
  (let* ((complaints (dialog-field (consult-info-2) :new-consult-chief-complaints-value))
  (let* ((complaints (dialog-field (consult-info-2) :new-consult-history-value))
        (exam-findings (dialog-field (consult-info-2) :new-consult-exam-findings-value))
        (provisional-diagnosis (dialog-field (consult-info-2) :new-consult-provisional-diagnosis-value))
        (the-string (concatenate 'string complaints history exam-findings provisional-diagnosis))
        (clean-string (concatenate 'string complaints history exam-findings provisional-diagnosis))
        (set-dialog-field (classify-dialog) :consult-value clean-string))
                                       (declare (ignore-if-unused dialog-field (consult-info-2) :new-consult-referring-location-value))
(let* ((referring-location (dialog-field (consult-info-2) :new-consult-referring-location-value))
(specialty (dialog-field (consult-info-2) :new-consult-procedure-codes (dialog-field (consult-info-2) :new-consult-procedure-codes-value))
(set-dialog-field (yellow-pages-dialog) :yellow-pages-specialty-value specialty)
(set-dialog-field (yellow-pages-dialog) :yellow-pages-referring-location-value referring-location)
(set-dialog-field (yellow-pages-dialog) :yellow-pages-referring-location-value referring-location)
(set-dialog-field (yellow-pages-dialog) :yellow-pages-cdts-value procedure-codes)
(set-dialog-field (yellow-pages-dialog) :yellow-pages-modality-value (yellow-pages-dialog)))
(setf (range modality-list) modality)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (defun consult-info-2-new-consult-e-board-button-on-click (dialog widget)
  (declare (ignore-if-unused dialog widget))
  (let* ((consult-id (dialog-field (consult-info-2) :new-consult-id-value))
        (referring-location (dialog-field (consult-info-2) :new-consult-referring-location-value))
        (apecialty (dialog-field (consult-info-2) :new-consult-state-of-request-value))
        (specialty (dialog-field (consult-info-2) :new-consult-specialty-value))
        (urgency (dialog-field (consult-info-2) :new-consult-procedure-codes-value))
        (urgency (dialog-field (consult-info-2) :new-consult-urgency-value))
        (universal-time (get-universal-time))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (time (princ-to-string (time-from-universal-time universal-time)))
  (date (string (date-from-universal-time universal-time)))
  (old-consults-in-e-board (range (find-widget :e-board-list-of-consults (e-board)))))
  (setf consult-list (find-widget :e-board-list-of-consults (e-board)))
  (setf (range consult-list) (append (list (concatenate 'string)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           old-consults-in-e-board)))
(defun new-consult-yellow-pages-on-click (dialog widget)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (select-window (yellow-pages-dialog))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (select-window (classify-dialog)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (select-window (e-board))
t)
```

;; Code for the dialog :patient-info

(in-package :common-graphics-user) (defclass consult-info (dialog)

```
(defun patient-info-sawe-on-click (dialog widget))

(declare (gipuca-finand dialog widget))

(letting dialog-field dialog iffratame-value))

(mi failog-field dialog inale)

(lasthame (dialog-field dialog inale)

(sex (iff dialog-field dialog inale)

(wil tan-craw (dialog-field dialog inale)

(mi fan-craw (dialog-field dialog inale)

(mi fan-craw (dialog-field dialog inale)

(mi fan-craw (dialog-field dialog inale)

(mi tan-craw (dialog-field dialog inale)

(mi tan-craw (dialog-field dialog inale)

(mi tan-craw (dialog-field dialog information (mi dialog-field dialog i
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (patient (string-to-symbol printname))
(fatient (string-to-symbol printname))
(filename (concatenate string "G:\\Working Files\\Army\\GGTS Development\\Tdent\\Data\\" printname ".lsp"))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (temp-stream filename :direction :output :if-exists :overwrite :if-does-not-exist :create)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                :military-status ,military-status
:military-rank ,military-rank
:phone-number ,phone-number
:home-phone-number ,home-phone-number
:chief-complaints ,chief-complaints
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (temp-stream (make-string-output-stream)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (in_package :common-graphics-user)
(setf ,patient (make-instance 'patient
:firstname ,firstname
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              :lastname ,lastname :printname ,printname
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            qop' qop:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (with-open-file
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (progn
```

```
:nnstory instory
:exam-findings .exam-findings
:exam-findings .exam-findings .exam-findings .exam-findings .exam-findings .exam-findings .exam-findings .exam-findings .exam-findings .exam-findings .exam .erferring-lastname .referring-lastname .referring-lastname .referring-location .referring-location .referring-location .erferring-location .er
```

temp-stream))
(close temp-stream))
t)

;; Code for the dialog :consults-dialog

(in-package :common-graphics-user)

```
(let ((codes (procedure-codes consult-instance)))
(let ((codes (procedure-codes consult-instance)))
(list-to-string (mapcar #'(lambda (x) (concatenate 'string (string x) " - " (gethash (string-to-symbol x) cdt-hash-table))) codes))))
;(list-to-string (explanation-of-procedure-codes consult-instance)))
;(list-to-string (explanation-of-procedure-consultants consult-instance)))
;(explanation-of-recommended-consultants (list-to-string (explanation-of-recommended-consultants consult-instance)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; (images (images consult-instance))
(specialty (specialty consult-instance))
(diagnostic-codes (list-to-string (diagnostic-codes consult-instance)))
(diagnostic-codes (list-to-string (procedure-codes consult-instance)))
(explanation-of-specialty (list-to-string (explanation-of-specialty consult-instance)))
(explanation-of-diagnostic-codes (list-to-string (explanation-of-diagnostic-codes consult-instance)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (diagnosis (diagnosis consult-instance))
(suggested-treatment (suggested-treatment consult-instance))
(suggested-treatment (suggested-treatment consult-instance))
(specialist-ind (specialist-rank (specialist-rank (specialist-rank (specialist-rank (specialist-rank (specialist-lastname consult-instance))
(specialist-listname (specialist-lastname consult-instance))
(specialist-location (specialist-location consult-instance))
(date-of-visit-by-specialist (date-of-visit-by-specialist consult-instance))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (consult-id (consult-number consult-instance))
(patient-instance (eval (string-to-symbol (patient-name consult-instance))))
(fiastname (flastname patient-instance))
(firstname (firstname patient-instance))
(mi (mi patient-instance))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (ssn (kin patient-instance))
(patient-id (id patient-instance))
(patient-id (id patient-instance))
(patient-instance))
(sex (sex patient-instance))
(military-status (princ-to-string (military-status patient-instance)))
(military-rank (military-rank patient-instance))
(princ-to-string (phone-number patient-instance)))
(princ-to-string (phone-number patient-instance)))
(princ-to-string (phone-number patient-instance)))
(princ-to-string (phone-number patient-instance)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (provisional-diagnosis (provisional-diagnosis consult-instance))
(referring-di (referring-diaconsult-instance))
(referring-military-rank (referring-military-rank consult-instance))
(referring-lastname (referring-lastname consult-instance))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (exam-findings (exam-findings consult-instance))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (let* ((consult-instance (eval (value consult-list)))
                                                                                                                                                                                                                                                                         (defun consults-dialog-display-on-click (dialog widget)
                                                                                                                                                                                                                                                                                                                                                                                                                                               (find-widget :consult-list dialog))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (history (history consult-instance))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (explanation-of-procedure-codes
                                                                                                                                                                                                                                                                                                                 (declare (ignore-if-unused dialog widget))
(let ((consult-list nil))
(when (value consult-list)
                                                                                                                                                                                                                                                                                                                                                                                                           (setf consult-list
```

```
(set-dialog-field (consult-info):male t)

(set-dialog-field (consult-info):male t)

(set-dialog-field (consult-info):male ty)

(set-dialog-field (consult-info):malitary-rank-value (quote, phone-number)))

(eval (set-dialog-field (consult-info):malitary-rank-value (quote, phone-number)))

(eval (set-dialog-field (consult-info):malitary-rank-value (quote, phone-number)))

(eval (set-dialog-field (consult-info):malitary-rank-value (quote, hore-phone-number)))

(eval (set-dialog-field (consult-info):malitary-rank-value (quote, hore-phone-number)))

(eval (set-dialog-field (consult-info):malitary-value (quote, hore-phone-number)))

(eval (set-dialog-field (consult-info):malitary-value (quote, hore-phone-number)))

(eval (set-dialog-field (consult-info):malitary-rank-value (quote, referring-info):malitary-rank-value (quote, referring-info):malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-malitary-mal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        [eval (set-dialog-field (consult-info) :specialist-location-value (quote ,specialist-location))
[eval (set-dialog-field (consult-info) :date-of-visit-by-specialist-value (quote ,date-of-visit-by-specialist))
(items (mapcar #'(lambda (x) (name x)) (dialog-items (consult-info))))
                                                                                                            (eval '(set-dialog-field (consult-info) :firstname-value ,firstname))

(eval '(set-dialog-field (consult-info) :mi-value ,mi))

(eval '(set-dialog-field (consult-info) :lastname-value ,san))

:(eval '(set-dialog-field (consult-info) :san-value ,ssn))

(eval '(set-dialog-field (consult-info) :patient-id-value ,patient-id))

(eval '(set-dialog-field (consult-info) :dob-value (quote ,dob)))

(if (equal sex "Male")
```

(close dialog)
(select-window (consult-info))
t)

;; Code for the dialog :patient-info

(in-package :common-graphics-user)
(defclass patient-info (dialog)

```
(list-to-string (magner # (lambda (x) (concatente 'string (string x) " - " (gethash (string-to-symbol x) cdt-hash-table))) codes))))
;(list-to-string (explanation-of-procedure-codes consult-instance)))
;(list-to-string (explanation-of-procedure-codes consultants));
;(recommended-consultants (list-to-string (explanation-of-recommended-consultants (list-to-string (explanation-of-recommended-consultants (list-to-string (explanation-of-recommended-consultants)))
(diagnosis (diagnosis consult-instance))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (specialty (specialty consult-instance))
(diagnostic-codes (list-to-string (diagnostic-codes consult-instance)))
(procedure-codes (list-to-string (procedure-codes consult-instance)))
i(explanation-of-specialty (list-to-string (explanation-of-specialty consult-instance)))
(explanation-of-diagnostic-codes (list-to-string (explanation-of-diagnostic-codes consult-instance)))
(explanation-of-procedure-codes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (specialist-id (specialist-id consult-instance))
(specialist-rank (specialist-rank consult-instance))
(specialist-lastname (specialist-lastname consult-instance))
(specialist-lirstname (specialist-firstname consult-instance))
(specialist-location (specialist-firstname consult-instance))
(date-of-visit-by-specialist (date-of-visit-by-specialist consult-instance))
(items (mapcar #'(lambda (x) (name x)) (dialog-items (consult-instance))))
                                                                                                                                                                                                                                                                                                            (consult-id (consult-number consult-instance))
(patient-instance (eval (string-to-symbol (patient-name consult-instance))))
(lastname (lastname patient-instance))
(fristname (firstname patient-instance))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (exam-findings (exam-findings consult-instance))
(provisional-diagnosis (provisional-diagnosis consult-instance))
(referring-id (referring-id consult-instance))
;(referring-military-rank (referring-military-rank consult-instance))
;(referring-lastname (referring-lastname consult-instance))
;(referring-firstname (referring-firstname consult-instance))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (nth 1 dor)
(nth 2 dor) *time-zone*))))
                                                                                                                                                                                                                                                                  ((consult-instance (eval (string-to-symbol (value consult-list))))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (date-of-request (date-of-request consult-instance))
;(date-of-request (if dor (string (date-from-universal-time
;;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (suggested-treatment (suggested-treatment consult-instance))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (referring-location (referring-location consult-instance))
                                                                                                                                                               (find-widget :pat-list-of-consults (patient-info))) (when (value consult-list)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (let ((codes (procedure-codes consult-instance)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (nth 0 dor)
(defun patient-consult-info-on-click (dialog widget)
  (declare (ignore-if-unused dialog widget))
  (let ((consult-list nil))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ;(images (images consult-instance))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (patient-id (id patient-instance))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (dob (dob patient-instance))
(sex (sex patient-instance))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (mi (mi patient-instance))
                                                                                                                                   (setf consult-list
                                                                                                                                                                                                                                                                      (let*
```

```
(set-dialog-field (consult-info); fiemale 1)

(set-dialog-field (consult-info); fiemale 1)

(set-dialog-field (consult-info); fiemale 1);

(eval (set-dialog-field (consult-info); military-status-value (quote _military-status)))

(eval (set-dialog-field (consult-info); military-status-value (quote _military-rank));

(eval (set-dialog-field (consult-info); inchef-complaints-value (quote _military-rank));

(eval (set-dialog-field (consult-info); inchef-complaints-value (quote, chefer-field);

(eval (set-dialog-field (consult-info); inchef-complaints-value (quote, chefer-field);

(eval (set-dialog-field (consult-info); exam-findings-value (quote, exam-findings));

(eval (set-dialog-field (consult-info); referring-altary-rank-value (quote, referring-dialog-field (consult-info); referring-altary-rank-value (quote, referring-field);

(eval (set-dialog-field (consult-info); specialty-value (quote, diagnostic-codes)));

(eval (set-dialog-field (consult-info); specialty-value (quote, specialty));

(eval (set-dialog-field (consult-info); specialty-value (quote, specialty-value (quote, explanation-of-diagnostic-codes-value (quote, explanation-of-diagnostic-codes));

(eval (set-dialog-field (consult-info); specialty-value (quote, specialts-diagnostic-codes)));

(eval (set-dialog-field (consult-info); specialist-firstname-value (quote, specialist-firstname));

(eval (set-dialog-field (consult-info); specialist-firstname-value (quote, specialist-firstname));

(eval (set-dialog-field (consult-info); specialist-firstname-value (quote, specialist-firstname));

(e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (military-status (princ-to-string (military-status patient-instance)))
(military-rank (military-rank patient-instance))
(phone-number (princ-to-string (phone-number patient-instance)))
;(hone-phone-number (princ-to-string (hone-phone-number patient-instance)))
(chief-complaints (chief-complaints consult-instance))
(eval (set-dialog-field (consult-info) :firstname-value ,firstname))

(eval (set-dialog-field (consult-info) :mi-value ,mi))

(eval (set-dialog-field (consult-info) :lastname-value ,lastname))

(eval (set-dialog-field (consult-info) :patient-id-value ,patient-id))

(eval (set-dialog-field (consult-info) :dob-value (quote ,dob)))

(if (equal sex "Male")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (defun patient-new-consult-info-on-click (dialog widget)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (history consult-instance))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (patient-id (id patient-instance))
                                                                                                                                                                                                                                                                                   (set-dialog-field (consult-info)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (declare (ignore-if-unused dialog widget))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (dob (dob patient-instance))
(ssn (ssn patient-instance))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (sex (sex patient-instance))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (mi (mi patient-instance))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ;(close (patient-info))
(select-window (consult-info))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (history
```

```
("let ((codes (procedure-codes consult-instance)))
("let ((codes (procedure-codes consult-instance)))
("list-to-string (mapcar #'(lambda (x) (concatenate 'string (string x) " - " (gethash (string-to-symbol x) cdt-hash-table))) codes))))
;(ist-to-string (explanation-of-procedure-codes consult-instance)))
;(recommended-consultants (list-to-string (recommended-consultants consult-instance)))
;(explanation-of-recommended-consultants (list-to-string (explanation-of-recommended-consultants consult-instance)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (set-dialog-field (consult-info-2) :new-consult-female t)

(set-dialog-field (consult-info-2) :new-consult-female t)

(set-dialog-field (consult-info-2) :new-consult-military-status-value (quote ,military-status)))

(eval (set-dialog-field (consult-info-2) :new-consult-military-ramak-value (quote ,military-ramak))

(eval (set-dialog-field (consult-info-2) :new-consult-phone-number-value (quote ,home-phone-number)))

(eval (set-dialog-field (consult-info-2) :new-consult-d-value (quote ,consult-info))

(eval (set-dialog-field (consult-info-2) :new-consult-chief-complaints-value (quote ,chief-complaints)))

(eval (set-dialog-field (consult-info-2) :new-consult-chief-complaints-value (quote ,chief-complaints)))

(eval (set-dialog-field (consult-info-2) :new-consult-exam-findings-value (quote ,eferring-id)))

(eval (set-dialog-field (consult-info-2) :new-consult-referring-id-value (quote ,referring-id)))

(eval (set-dialog-field (consult-info-2) :new-consult-referring-id-value (quote ,referring-lastname)))

(eval (set-dialog-field (consult-info-2) :new-consult-referring-lastname-value (quote ,get-dialog-field (consult-info-2) :new-consult-referring-lastname-value (quote ,get-dialog-field (consult-info-2) :new-consult-referring-lastname-value (quote ,get-dialog-field (consult-info-2) :new-consult-referring-lastname-value (quote ,get-dialog-field (consult-info-2) :new-consult-procedure-codes-value (quote ,get-dialog-field (consult-info-2) :new-consult-procedure-codes-value (quot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        :(images (images consult-instance))
(specialty (specialty consult-instance))
(specialty (specialty consult-instance))
(diagnostic-codes (list-to-string (diagnostic-codes consult-instance)))
(procedure-codes (list-to-string (explanation-of-specialty consult-instance)))
(explanation-of-specialty (list-to-string (explanation-of-diagnostic-codes (list-to-string (explanation-of-diagnostic-codes (list-to-string (explanation-of-diagnostic-codes consult-instance)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (eval '(set-dialog-field (consult-info-2) :new-consult-firstname-value ,firstname))
(eval '(set-dialog-field (consult-info-2) :new-consult-mi-value ,mi))
(eval '(set-dialog-field (consult-info-2) :new-consult-lastname-value ,lastname))
(eval '(set-dialog-field (consult-info-2) :new-consult-patient-id-value ,patient-id))
(eval '(set-dialog-field (consult-info-2) :new-consult-patient (quote ,dob)))
(if (equal sex "Male")
(if (equal sex "Male")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (specialist-location (specialist-location consult-instance)) (date-of-visit-by-specialist (date-of-visit-by-specialist consult-instance)); (items (mapcar #'(lambda (X) (name x)) (dialog-items (consult-info)))) (urgency (urgency consult-instance))
                                                  (provisional-diagnosis (provisional-diagnosis consult-instance))
(referring-id (referring-id consult-instance))
;(referring-military-rank (referring-military-rank consult-instance))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (nth 0 dor)
(nth 1 dor)
(nth 2 dor) *time-zone*)))))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (encode-universal-time 0 0 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (specialist-rank (specialist-rank consult-instance))
(specialist-lastname (specialist-lastname consult-instance))
(specialist-firstname (specialist-firstname consult-instance))
                                                                                                                                                                                                                                                                                                                                   (referring-firstname (referring-firstname consult-instance))
(referring-location (referring-location consult-instance))
(date-of-request (date-of-request consult-instance))
(date-of-request (if dor (string (date-from-universal-time
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (suggested-treatment (suggested-treatment consult-instance))
(specialist-id (specialist-id consult-instance))
                                                                                                                                                                                                                                                                         (referring-lastname (referring-lastname consult-instance))
(exam-findings (exam-findings consult-instance))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (diagnosis (diagnosis consult-instance))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (modality (modality consult-instance))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (explanation-of-procedure-codes
```

;(closé (patient-info)) (select-window (consult-info-2)) t)

;;; location-information.lsp

```
Correptoration manual Branch Medical_Clinic*_USNANSUPPFAC_Souda_Bay* """ "FPO AE 09637" """ "Greece" "35.29" "-24.42")

("Hospital" "Navy" "US. Maval Hospital_LNaples" "Naples" "Naples" "Apple AE 09637" ""1taly" "45.33" "-14.13")

("Hospital" "Navy" "US. Maval Hospital_LNaples" "Naples" "Na
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ("Clinic" "Army" "Arlington_Hall_Station*_Arlington" "Washington" "DC " "20307" "5000" "US" "38.8951" "77.0369")
("Clinic" "Army" "Cameron_Station*_Alexandria" "Washington" "DC " "20307" "5000" "US" "38.8951" "77.0369")
("Clinic" "Army" "US_Army_Heath_Clinic*_Enry_McNair" "Mashington" "DC " "20319" "" "US" "38.8951" "77.0369")
("Clinic" "Wavy" "NAE_Andrews_AFB" "" "MD " "20331" "3300" "US" """)
("Clinic" "" "11_Medical_Group" "Bolling AFB" "DC " "20332" "701" "US" "38.8259" "77.0192")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                8.23333333" '("Store/Forward" "Émail"))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Email"))
```

```
| CTITIC | Name | Ward | Colored | Ward 
"Arlington_Annex" "Washington" "DC " "20370" "" "US" "38.8951" "77.0369")
"..... Parach Clinic* Arlinaton Annex" "Arlinaton" "VA " "20370" "" "US" "38.8951" "77.0369")
```

```
CSH-10"

CSH-11"

CSH-13"

CSH-14"

CSH-14"

CSH-14"

CSH-18"

CSH-18"

CSH-18"

CSH-18"

CSH-21"

CSH-20"

CSH-20"

CSH-21"

CSH-21"

CSH-21"

CSH-21"

CSH-21"

CSH-21"

CSH-21"

CSH-21"

CSH-21"

CSH-22"

CSH-23"

CSH-28"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "CSH-30" '
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Combat Support Hospital" "Army" "CC
"COMBAT Sup
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Hospital" "Army"
Hospital" "Army"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Hospital" "Army"
Hospital" "Army"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Combat Support Hospital" "Army"
"Combat Support Hospital" "Army"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Combat Support H
"Combat Support H
"Combat Support H
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Combat Support
"Combat Support
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Combat Support
```

ŗ.			60	6	241) 46 1927 1.3)	- Si	1675 "CSH-7")	2005		0 1 0	;	26. 85.	110 3H-6") 948 120	
1731 1737	2398	522.9)	н-5") L 522.5 2069 21('(1640 1643 1669 1875 2159 2160 2189	D7999 D9241) 1645 1646 893 1912 19 (524.3)	(1656 1642 1990 1999) CSM- _Dentistry" '(1655	(1639 2388) "CSH-8") "" "Orthodontics" (1660 1661 1671 1674 1675 2342 2344 2359 2362 2386 2401 2432 2440 241) "CSH-			2239 2240	7) "CSH-12") "Periodontics"	2335 2352	D6212) 1996 20 1481) "CS D7946 D7 2016 20	H~6")
1710	2459		2325 2408 2456) "CSH-5") (522.1 522 2009 2015 2030 2059 2069	175 2159	60 D7880 D7899 D7940 D7945 D7947 D7948 D (1594 1596 1625 1631 1632 1634 1644 746 1758 1824 1850 1852 1871 1877 1883 18 (D7310) '(520.6 521.4 524.01 524.3) 2262 2382 2423 2436 2454) "CSH-6")	74.2 L990 "y"	(1660 1661 1671 1674 2432 2432 2441)	380 1681 "" 915 1918	(1654	2185 2187	'(2208 2241 2243 2247) "CSH-12")	L8 2225 2236 2231 2252 2305 2314 2326 2335 2334 2335 (1874 1885) "CSH-16") (11672 1888) "CSH-16") (11700) "CSH-16") (11700) "CSH-16") (11700) "CSH-16")	(100140 D0150 D2710 D2960 D3330 D5110 D5512 D5514 D6511 D6512 1845 1908 1910 1910 131 1972 1980 1987 1991 1994 1995 1996 1846 1908 1910 1913 1972 1980 1987 1991 1994 1995 1996 180 D7286 D7450 D7451 D7460 D7461 D7852 D7870 D7889 D7899 D7946 10720 D7230 D7241 D7280 D7281) "(172.00 520.1) "" 1911 1929 1935 1936 1939 1970 1976 1982 1983 1986 2001 2016 2558 2263 2283 2286 2292 2302 2303 2310 2316 2312 2324 2330 2	226 2166 2171 2178 2389) "CSH-10") (1968 1981 2011 2244 2282 2321) "CSH-6") ((231 2312) "CSH-17")
(1663 1709	(2460 24	(522.1 522.6	25 2408 2· 39 2015 2·	1669 18	945 D794: 1 1632 16 1871 187 1.4 524.0 4) "CSH-	"Pediatric_Dentistry"	(1660 16 2432 243	0.20) 6.1857 1	SH-11") ery"	(2184 2	11 2243 2;	4 2326 2	212 D521 7 1991 1 2375 238 870 D788 (172.00 (2 1983 1	89) "CSF 4 2282 2 ")
			5) 2297 232 1984 200	1640 1643	D7940 D7 1625 1631 50 1852 520.6 521 2436 245	ediatric.	s" 86 2401	1638 164. 697.0 73: 1832 185	"(2200 2203 2212) "CSH-11") "" "0ral_Surgery"		(2208 224:	2305 231	D5110 D5 1980 198 373 2374 D7852 D7 1976 198	L 2178 2389 2011 2244 "CSH-17")
"Poriodontice"	"Prosthodontics	I	263 D4266 52 2288 41 1978		0 D7899 94 1596 1824 18 310) '(()	נואנרץ "Pe	8) "CSH-8") "Orthodontics" 2359 2362 2386	6 686.1 70 1831	00 2203	20) "CSH iodontic), (892)	SJ 2252 CSH-16") CSH-16") 6") 49 2296	0 03330 123 1972 5 2372 23 6 07461 07281) 139 1970 2 2302 23	926 2166 2171 '(1968 1981 2 '(2231 2312) 'SH-18")
"Dog"	Pro Pro	310)	'(D4; 2034 20 430) 1869 19	"Prosthodontics"	460 D788 (159 746 1758 (D7)		"(1639 2388) "CSH-8") """ "Orthodonti	aontics 9.6 628. 1759 17	, (22) + (4)	'(2186 2191 2220) "CSH-13") "" "Periodontics"	Surgery" H-14")) '(D4263)	1885) ". 1858) ". 1858) ". 1764 22	710 D296 710 D296 1 1921 19 2357 2366 7451 D746 11 D7280 5 1936 15	42 1747 1926 2160 ics" (1968 cs" (2231 (2180) "CSH-18")
:	Ī	"CSH-3") D4249 D3:	3 D4271) .917 1974 D3426 D3	"Prost	D7451 D7 rgery" 22 1726 1 0 08660)	reula 3 524.4)	.(1639 29 2342 2	Ortho 529.1 52 1705 1716	ry" '(521.4)	,(2186	"Oral_S 1649) "CSH "CSH-15") "CSH-15") 45 D7960)	(1874 (1672 (1700) (1700)	00150 D2 1908 1910 48 2353 7 27 230 D7450 D7 1929 1939 63 2283	(1742 17. ontics" otics" '(2180
:	(523.2)	(2221) (03410	1249 D426 17 1837 1 10 D3421 27 1738 1	E	86 D7450 "Oral_Su 1721 177 7480 D768 53 2147 2	21.0 524.	tics" 24.3) 2313 2329	0 228.09	c_Dentist	ontics" ""	"" (1620 14") (1651) (1760) 1750	Jys 2162 ontics" ics" gery" nology"	(00140) 38 1845 2347 23 80 07286 0720 07 07 1911	ontics" '(1742 1 "Orthodontics" "Endodontics" ics" '(218
=	=	 	"" (L190 L193 L194 L211 L225 L244 L249 L249) CSM-4 () "Wurzburg" (L190 L193 L194 L211 L225 L249 L249) L249 L249 L249 L249 L249 L249 L249 L249	1	"Wurzburg" (00501 03330 05922 06010 07110 07220 07240 07241 07286 07450 07451 07460 07880 07889 07940 07945 07949 05241) D7230 07240 07280) (07220 07241) (521.4 522.8 524.3) (522.8) "Oral_Surgery" (1594 1596 1625 1631 1632 1634 1645 1646 1685 1689 1690 1694 1697 1701 1703 1711 1712 1713 1714 1715 1721 1722 1726 1746 1758 1824 1850 1852 1871 1877 1883 1893 1912 1927 2007 2012 2018 2022 2032 2032 2032 2032 2032 2032 203	(520.6 521.0 524.3	"Orthodontics" '(520.6 524.3) 2304 2307 2313 2	UNDON UNDON) (194249) (1950 IDST 1957 IDST 1957 IDST 1957 (1958 IDST 1957 IDST 1957 IDST 1957 (1958) "" (19586) "" (19586) "" (19586) "" (19586) "" (19586) "" (19586) "" (19586) "" (19586) "" (19586) "" (19586) "" (19586) "" (19586) "" (19586) IDST 1958 ID	"Pediatric_Dentistry" '(D9241) ""	"Prosthodontics" '(D4266) ""	"" "" "Oral_Surgery" "Prosthodontics" (1620 1649) "CSH-14") '(1909 2300) "CSH-14") 'Oral_Surgery" (1651) "CSH-15") 'Oral_Bathology" (1760) "CSH-15") 4910) '(04211 04240 04245 07960) '(044	1993 2008 2019 2026 2098 2162 2218 2228 2231 2257 2303 2314 2326 2333 2334 2335 2352 2352 2352 2352 2352	06090) 1 1821 18 2331 2343 27250 072 10 07120 7 1889 19	Job D6750) (D5860 D6210) "" (523.3) "" "Prosthodontics" (1742 1747 1926 2166 2171 2178 2389) "CSH-10") D8660) "" (1268 1881 2011 2244 2282 2321) ' D8310) "" (1231 2312) "CSH-17") "" "Endodontics" (2180) "CSH-18")
F	.(D0140) ""	idodontic 1 D9974)	CSM-4))) 1730 1748 7 03348 D L679 1688	=	D D7240 E 15 1717 1 CSH-5") () (1820 1826	•	2293)78.11 10 1636 1662		04263)	""Prosthodontics" (1909 2300) "CSH "Oral_Surgery" "Oral_Pathology" [910) (04211	T07 8007	D0150 D0160 D2710 D3320 D4249 D5110 D5213 D6090) (1707 1752 1756 1769 1772 1776 1781 1811 1821 (1707 1752 1756 1769 1772 1776 1781 1811 1821 D6010 D7110 D7130 D7220 D7230 D7240 D7241 D7250 D7280 D7281 D7286 D7450 D924) (1766 1768 1773 1775 1827 1836 1853 1866 1867 1889 2170 2188 2196 2199 2213 2226 2227 2230 2242 2	(8.:
"" (980		"En 351 D3410	90	"(05212)	220 D723C 524.3) 1714 17: 2204) "(210 D866C	I	2280 2281	, ((6 , (("" 310 D9430		230) "" Pro cs" (19 "Ora 341 D4910)	2.6) ""	249 D5110 72 1776 : 2274 23 230 D7240 (241) '(()	" '(523
04341 D7250 D7286)	D6020)	6) "" 03348 03	04273 04 04273 04 1719 17 03332 03		D7110 D7 4 522.8 712 1713 (051 2176 D8090 D8	I	"" ("7- "" 2279	(04 (6) "" (1627 16		'(52 D4341 D7	""Prosthodontics" "(529.6) "" '(529.6) ""	. 1940 1992 1 "" "(522.6) ""	D3320 D4 1769 17 2255 227C D7220 D7 D7450 D5 1827 18	0 D6210)
13 04341	0 D4273	'(522. 10 D3346	224 2245 19 D4271 1686 1706 10 D3331 1650 1652	SO D5211)	2 D6010 '(521. 33 1711 1 35 2044 2 70 D8080 1743 1744	3060)	2349 2431) "CSH-7") " D8690 D8860) " 2236 2267 2268 2277 2279 2280	,00 (0728 1619 1621	30 D7460	"" 49 D4273	(07230) " " (07230) " "Prosthodontics" " "7528.6) " "7210 D4249 D4271 D4341	1910 197	60 D2710 1752 1756 46 2250 10 D7130 81 D7286 1773 1773	
24249 D4273	DO160 D2750 D4273 D6020)	3320 D333	11 2223 11 2150 0424 156 1657 13320 0333 37 1642 1	00150 00160 05211)	3330 D592 7241) 1701 170 2032 203 8040 D807 65 1739 3	0/450 08660) 0 D8020 D8060)		0 07430)	"" "" "" "" "" "" "" "" "" "" "" "" ""	D2750) "" "" (523.2) D4240 D4249 D4273 D4341 D7286)	D2285 D9241) " " " (D7230) D2750) " " " " " " " " " " " " " " " " " " "	30 T839	0150 D010 (1707 : 2238 22 6010 D71 7280 D72 66 1768	0160 D6750 D8660) D3310)
700150	150	" (D0460 D)	(D0140 D0 (D0140	'(D0140 D	(D0501 D) (D7220 D) 694 1697 (D23 2024 (D7230 D)	351 07230	1338 2339 160) 190 D8660 1043 2148	286 D7410 5 1616 16	(059230) (05958 D	(D0150 D	~~~~	_ 222 _	(D0140 D ntics" 2219 2235 (D0150 D 0 D7230 D 5 1761 17	00150 001 (08090 0 (03220 0
=	"CSH	3310) "	3 1604 1606 1608 13 3 1604 1606 1608 13 1 (1613 1614 1629 1)	. CSF-50.	07280) ' 89 1690 1 18 2022 2 1627 1628	(D).	2197 2276 2338 2339 (D8040 D8060) (D8080 D8090 D8660 2000 2031 2043 2148	.n. (D7250 D7286 D7410 0 1611 1615 1616 161	(,,0		lon" (D9241) (D7286)	77) "CSH-6") (77) "CSH-6") (06 (03	rosthodor 09 2215 210 D722 1754 175 83 2152	(D8140 D0150 D0 (D8040 D0150 D0 (D8090 '(D3220 '(D3346)'
+ 	2291 22 t Eustis	au"'(I delberg"	zburg" 97 1603 ; zburg"		zburg" (0 D7240 (1687 16 (2 2012 20 (9 ghton")	Lelgnton "Vilseck" '(2050 2067 2197 2276 2338 2339 "Bamberg" (D8040 D8060) "Vilseck" (D8080 D8090 D8660 11969 1997 2000 2031 2043 2148	Katterbach WRAMC" (D7250 D7286 D741 (1598 1610 1611 1615 1616 1	2205) "CSH-1 "Wiesbaden" "Landstuhl"	"VogeTweh" "VogeTweh"	"CSH-13") "Landstuh" "Fort Gordon" "Fort Gordon" "Rota" (D' "Rota" (D' "Rota" (D'	4 1/24 1/28 1/36 2429 2474 2477) "Lakenheath" "Lakenheath" "Lakenheath"	"Leighton" "P 2177 2202 22 "Wurzburg" "110 D7120 D7 (1749 1751 2058 2070 20	.wRAMC" "Leighton" "Baumholder"
, () 	2163 2256 2287 2291 2298) ("23" "Fort Eustis"	"Han "Hei	Endodontics" ("100" "Wur. ics" (15) ("101" "Wur. "Endodontics"	2278 2301 '''Wur	-5) "Wur 7220 D723 1684 1685 2004 2007 'Lei				183	2308 2465) "CSH-12") ("186" "Vogelweh" ("203" "Vogelweh"	2414 2463) "CSH-13") ("207" "Landstuhl ("218" "Fort Gore ("219" "Fort Gore ("225" "Rota" ("230" "Rota" ("278" "Leighton"	419 419	" "Lei .4) "" 2168 217; " "Wut 10 D7110 2056 2058	
			endod ("100" ontics" ("101"		2309 2337 CSF2) ("07110 07120 07220 1653 1676 1682 1684 1977 1998 2002 2004 ("119"	("132"	200H	"CSH-9") ("156" "Oral Patholody"	2079 2156 2183 2205) "CSH-10") ("177" "Wiesbaden" ("182" "Landstuhl"		~~~~~	(1695 1696 1698 2377 2380 2387 24 (1283" (1291" (1291" (1295) (1295) (1295) (1295) (1295)	("300") ("523.4) ("167.2) ("303") ("6601) urgery"	("304" ("305" ("362" ("362" ("364"
11040	1736 17) "CSH-2")	. Peri	2198	. (D7110 1653 167 1977 199		1979 2045	2261) "CSH-9")	2057	2234 22	5 2294 23) "CSH-12") ("300" "Leighton" "(D0140 D0150 D0160 D2710 D3320 D4249 D5110 D5213 D6609) ("00140 D0150 D2710 D2900 D3330 D3120 D5212 D5214 D6211 D6212) ("300" "Leighton" "Frosthodontics" (1707 1752 1756 1769 1772 1776 1781 1811 1821 1845 1908 1910 1921 1921 1937 1957 1980 1987 1991 1994 1995 1996 ("60424) ("523.4) "" "Prosthodontics" (1707 1752 1756 1769 1772 1776 1781 1811 1821 1845 1908 1910 1923 1937 2372 2372 2372 2373 2374 2375 2385 2406 2481) "CSH-6") ("301 "Wurzburg" "Wurzburg" "(00150 D7120 D7220 D7230 D7240 D7240 D7240 D7240 D7220 D7230 D7240 D7280 D7850 D7	6 23/1 23
	1733 1735	2442 2444)	522.6)	2157 2165	2275 2284 1647 1648 1930 1932	("9	1691 1778 1692 1702	2072 2261		2201 2233	2264 2266 2294 2318	2360 2363	2486) "CSH-1 2013 2068 20 D7980 D9241) 2027 2036 20	2367 T967

'(2396 2410 2411 2443 2445 2461) "CSH-"Endodontics"

2...)

?

;;; city-location.lsp

```
(Seef city-location ARW COMMULTY, HOSPITAL*_FORT_EUSTIS)

("Silver Paring" MNAYAC WHITE CAK*_SILVER_SPRING)

("Selling ARE" 11, METCAL_GOND!

("Selling ARE" 11, METCAL_GOND!

("Selling ARE" 11, METCAL_GOND!

("Aderidee" 11, METCAL_GOND!

("Aderidee" 12, MAYAL_MEDICAL_CLINIC* AREBOER_RROYING_GROUND)

("Aderidee" 12, MAYAL_MEDICAL_CLINIC* AREBOER_RROYING_GROUND)

("Aderidee" 12, MAYAL_MEDICAL_CLINIC* ARRAPOLIS)

("Annapolis* WAYA_MAYAL_MEDICAL_CLINIC* ARRAPOLIS)

("Annapolis* WAYAL_MEDICAL_CLINIC* ARRAPOLIS)

("Bacherias WAYAL_MEDICAL_CLINIC* ARRAPOLIS)

("Bacherias WAYAL_MEDICAL_CROUP)

("Crospinol" PORT_ANDELLAN_CROUP)

("Crospinol" PORT_ANDELLAN_CROUP)

("Gactal WAYACHAPCAL_CONT_CROUP)

("Gactal WAYACHAPCAL_WAYACAL_CLINIC* SCHOF
```

```
("Yindian Head" NAVORDSTANL")

("KatatersTauter" LANSTOHIL_EGIONAL MEDICAL_CENTER, "AND_CENERAL_HOSPITAL)

("KatatersTauter" LANSTOHIL_EGIONAL_MEDICAL_CENTER)

("KatatersTauter" LANSTOHIL_EGIONAL_MEDICAL_CENTER)

("Keff Tank" US_ANNAL_CENTER MEDICAL_CENTER

("Keff Tank" US_ANNAL_CENTER MEDICAL_CENTER

("Keff Tank" US_ANNAL_CENTER

("Keff Tank" US_ANNAL_CENTER

("Landstehl" Landstehl" Landstehl Medical_CENTER

("Landstehl" Landstehl Medical_CENTER

("Morfolk" NSC_MANGERCEN_MEDICAL_CENTER

("Morfolk" NSC_MANGERCENTER

("Morfolk" NSC
```

"Upwood" 423_MED_FLIGHT) "Vicenza" US_ARMY_HEALTH_CLINIC*_VICENZA)

;;; location-class.lsp

```
(setq pittsburgh-pa (make-instance 'location :longitude "80" :latitude (princ-to-string (float (+ 40 (/ 26 60))))) (setq Kuwait (make-instance 'location :longitude "-47.992" :latitude "29.324"))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ;(setq madrid-SP (make-instance 'location :longitude 0.064577182 :latitude 0.705694794))
;(setq wellington-NZ (make-instance 'location :longitude -3.050544644 :latitude -0.720530093))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (longitude :initarg :longitude :initform 0 :ancessor longitude)
(latitude :initarg :latitude :initarg :latitude :initform 0 :accessor latitude)
(type-of-facility :initarg :type-of-facility :initform :accessor type-of-facility :initform :accessor type-of-facility :initform () :accessor modality :accessor modality :accessor modality :accessor initform :accessor :acc
                                                                                                                                                  ((printname :initarg :printname :initform "" :accessor printname) (list-of-instances :initarg :list-of-instances :initform '() :accessor list-of-instances :allocation :class)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    :accessor country)
(current-location :initarg :current-location
:initform ""
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    :accessor current-location)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (defun distance-between (lat1 long1 lat2 long2) (if (or (null lat1) (null long1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      city initarg :city initarg :city initarg :city initform "" accessor city) (state :initarg :state :initform "" accessor state) (code1 :initarg :code1 :initform "" accessor cde1) (code2 :initarg :code2 :initarg :code1) (country :initarg :country :initarg :contry :contry :initarg :contry :initarg :contry :initarg :contry :initarg :contry :cont
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ;;; latitude is North or South ;;; longitude is West or East
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ;;; North or West are positive
;;; South or East are negative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (name :initarg :name
:initform ""
(defclass location
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2
```

```
(mil lat2))
(mil lat2))
(mil lat2))
(mil lat2))
(mil lat2)
(mil la
```

```
:initform ""
:accessor printname)
(list-of-instances :initang :list-of-instances
:accessor list-of-instances
:allocation :class)
(latitude :initang :latitude
:initform 0
:accessor latitude
:initform 0
:accessor latitude
:initform "O
:accessor modality
:initform "O
:accessor modality
:initform "O
:accessor modality)
(service :initang :service
:initform "O
:accessor service)
(codality :initang :service
:initform "O
:accessor service)
(code: initang :classor :c
```

(defclass SthCORPS (USAREUR)
())

(make-a-class-instance '5thCORPS 'temp-5thCORPS)

(mapc #'(lambda (x) (make-a-class-instance 'SthCORPS x))
'(CSH-1 CSH-12 CSH-13 CSH-4 CSH-5 CSH-6 CSH-7 CSH-8 CSH-9 CSH-11 CSH-12 CSH-13 CSH-14 CSH-15 CSH-16 CSH-17 CSH-18 CSH-20 CSH-20 CSH-21 CSH-22 CSH-23 CSH-26 CSH-26 CSH-26 CSH-26 CSH-29 CSH-29 CSH-30 CSH-31 CSH-31 CSH-31 CSH-33 CSH-34 CSH-35 CSH-35 CSH-8 CSH-89))

;;; doctor-class.lsp

(defclass doctor

```
((printname :initarg :printname :printna
```

```
(picd (nth 5 data-string))
(picd (if (equal picd "") nil (eval picd)))
(sicd (nth 6 data-string))
(sicd (nth 6 data-string))
(sicd (nth 6 data-string))
(sicd (nth 6 data-string))
(sicd (if (equal sicd "") nil (eval sicd)))
(sicd (if (equal sicd "") nil (eval sicd)))
(sist-of-consults (if (equal list-of-consults "") nil (eval list-of-consults))
(sist-of-consults (if (equal list-of-consults "") nil (eval list-of-consults)))
(soft (ist-of-consults (if (equal list-of-consults)))
(cond (null (my-instance | string-to-symbol id))) id-unmber)
(setf (ideval (string-to-symbol id))) id-unmber)
(setf (medical-group (eval (string-to-symbol id))) location)
(setf (sets (eval (string-to-symbol id))) (remove-duplicates (append pcdt scdt tcdt)) (setf (icd9s (eval (string-to-symbol id)))) (remove-duplicates (append pcdt scd (string-to-symbol id))) (setf (icd9s (eval (string-to-symbol id))) (remove-duplicates (append picd sicd) :test #'equal))
(setf (sets (eval (string-to-symbol id))) (remove-duplicates (append picd sicd) :test #'equal))
(setf (consults (eval (string-to-symbol id))) ilst-of-consults)
(setf (consults (eval (string-to-symbol id))) (location (city medical-group))
(location (city medical-group))
(location (city medical-group))
(location (city medical-group))
(service (service medical-group))
(service (service medical-group))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (setf (name assignment) (assignment (eval (string-to-symbol id))))
(setf (city assignment) location)
(setf (lantitude assignment) latitude)
(setf (langitude assignment) longitude)
(setf (current-location assignment) current-location)
(setf (service assignment) service)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (((((Lin
```

(mapc #'(lambda (x) (make-specialist x)) specialists)

;; Code for the specialists-dialog :specialist-dialog

```
(eval (set-dialog-field (specialist-info) :specialist-id-value (quote ,specialist-id)))

(eval (set-dialog-field (specialist-info) :doctor-specialty-value ,specialist-id))

(set fecialist-list-oronsults)

(set fecialist-list-or-consults)

(set fecialist-list-oricd9s (find-widget :specialist-list-oricd9s (specialist-info)))

(set fecialist-list-oricd9s (find-widget :specialist-list-oricd9s))

(set fecialist-list-oricds (find-widget :specialist-list-oricd9s))

(set fecialist-list-oricds)

(set fecialist-list-oricd1s)

(set fecialist-list-oricd1s)

(set-dialog-field (specialist-info) :specialist-location-value (car (find-facilitist-location))

(set-dialog-field (specialist-info) :specialist-assignment-value (quote ,specialist-location))

(eval (set-dialog-field (specialist-info) :specialist-assignment-value (quote ,specialist-assignment)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (declare (ignore-if-unused dialog widget))
(let ((specialist-list nil))
        (setf specialist-list
        (find-widget :specialist-list dialog))
        (when (value specialist-list)
        (let* ((specialist-instance (eval (value specialist-list)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (specialist-id (id specialist-instance))
(specialty (specialty specialist-instance))
(list-d-consults (consults specialist-instance))
(diagnostic-codes (icd9s specialist-instance))
                                                                                                                                                                                                                                                                                             (defun specialists-dialog-display-on-click (dialog widget)
                                                                 (close dialog)
  (select-window (specialist-info))
t)
(in-package :common-graphics-user)
```

;; Code for the specialist-info :specialist-info

(in-package :common-graphics-user) (defclass specialist-info (dialog)

```
(Tet ((codes (procedure-codes consult-instance)))
(Tet ((codes (procedure-codes consult-instance)))
(Tet ((codes (procedure-codes consult-instance)))
(Tet ((codes (procedure-procedure-codes consult-instance)))
;(Tist-to-string (explanation-of-procedure-codes consult-instance)))
;(Tecommended-consultants (Tist-to-string (recommended-consultants consult-instance)))
;(Explanation-of-recommended-consultants (Tist-to-string (explanation-of-recommended-consultants)))
(diagnosis (diagnosis consult-instance))
                                                                                                                                                                                                                                                                                                                          (let* ((consult-instance (eval (string-to-symbol (concatenate 'string "c" (princ-to-string (value consult-list)))))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ;(images (images consult-instance))
(specialty (specialty consult-instance))
(specialty (specialty consult-instance))
(diagnostic-codes (list-to-string (procedure-codes consult-instance)))
;(explanation-of-specialty (list-to-string (explanation-of-specialty consult-instance)))
(explanation-of-diagnostic-codes (list-to-string (explanation-of-diagnostic-codes consult-instance)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (specialist-location (specialist-location consult-instance))
(date-of-visit-by-specialist (date-of-visit-by-specialist consult-instance))
(items (mapcar #'(lambda (x) (name x)) (dialog-items (consult-info-2))))
                                                                                                                                                                                                                                                                                                                                                                                (consult-id (consult-number consult-instance))
(patient-instance (eval (string-to-symbol (patient-name consult-instance))))
(lastname (lastname patient-instance))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /sex /sex parient-instance))
(military-status patient-instance))
(military-status (princ-to-string (funch-instance))
(phone-number (princ-to-string (phone-number patient-instance))
;(hone-number (princ-to-string (phone-number patient-instance)))
;(hone-phone-number (princ-to-string (hone-phone-number patient-instance)))
(chief-complaints (chief-complaints consult-instance))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (referring military-rank (referring-military-rank consult-instance))
(referring-lastname (referring-lastname consult-instance))
(referring-firstname (referring-firstname consult-instance))
(referring-location (referring-location consult-instance))
(date-of-request (date-of-request consult-instance))
(date-of-request (if dor (string (date-form-universal-time (encode-universal-time 0 0 0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (nth 0 dor)
(nth 1 dor)
(nth 2 dor) *time-zone*)))))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (history (history consult-instance))
(exam-findings (exam-findings consult-instance))
(provisional-diagnosis (provisional-diagnosis consult-instance))
(referring-id (referring-id consult-instance))
(referring-military-rank (referring-military-rank consult-instance))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (specialist-rank (specialist-rank consult-instance))
(specialist-lastname (specialist-lastname consult-instance))
(specialist-firstname (specialist-firstname consult-instance))
                                                                                                                                                                                                        (find-widget :specialist-list-of-consults (specialist-info)))
(when (value consult-list)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (suggested-treatment (suggested-treatment consult-instance))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (specialist-id (specialist-id consult-instance))
(defun specialist-consult-info-on-click (dialog widget)
  (declare (ignore-if-unused dialog widget))
  (let ((consult-list nil))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (firstname (firstname patient-instance))
(mi (mi patient-instance))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (patient-id (id patient-instance))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (explanation-of-procedure-codes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (sex (sex patient-instance))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (dob (dob patient-instance))
                                                                                                                                                                             (setf consult-list
```

```
(eval (eer-dialog-field (consult-info) int-value infirstname.value (firstname.value (firstname.value (firstname.value (firstname.value (most (eer-dialog-field (consult-info) int-value (quote (path))

(eval (eer-dialog-field (consult-info) infirstrantsus-value (quote (military-status))

(eval (eer-dialog-field (consult-info) infirstrantsus-value (quote (military-ant))

(eval (eer-dialog-field (consult-info) infirstrantsus-value (quote (most))

(eval (eer-dialog-field (consult-info) information (most))

(eval (eer-dialog-field (consult-info))

(eval (eer-dialog-field (consult-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (modality (modality location-instance)))
(eval (set-dialog-field (location-info) ;facility-value (quote ,facility-name)))
(eval (set-dialog-field (location-info) :service-value (quote ,service)))
(eval (set-dialog-field (location-info) :type-value (quote ,type)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (current-location location-instance))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (current-location location-instance)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (defun specialist-dialog-display-location-on-click (dialog widget)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (service (service location-instance))
(type (type-of-facility location-instance))
(city (city location-instance))
(deployment-location (if (equal city
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (country (country location-instance))
(code1 (code1 location-instance))
(code2 (code2 location-instance))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (state (state location-instance))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         city
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (select-window (consult-info))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ;(close (specialist-info))
```

```
(state (state location-instance))

(country (country location-instance))

(code1 (code1 location-instance))

(code2 (code2 location-instance))

(code2 (code2 location-instance))

(code2 (code2 location-instance))

(code3 (code2 location-instance))

(eval (set-dialog-field (location-info) :service-value (quote ,facility-name)))

(eval (set-dialog-field (location-info) :type-value (quote ,city)))

(eval (set-dialog-field (location-info) :latitude-value (quote ,lope)))

(eval (set-dialog-field (location-info) :latitude-value (quote ,lope)))

(eval (set-dialog-field (location-info) :latitude-value (quote ,lope)))

(eval (set-dialog-field (location-info) :country-value (quote ,country)))

(eval (set-dialog-field (location-info) :code1-value (quote ,code1)))

(eval (set-dialog-field (location-info) :code2-value (quote ,code2)))

(eval (set-dialog-field (location-info) :code2-value (quote (dotation-info) :code2-value (quote (dotation-info) :code2-value (quote (dotation-info) :code2-value (quote (dotation-info) :code2-value (quote (dotation-info))))

(eval (set-dialog-field (location-info) :dotation-info))), modality))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (current-location location-instance))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (current-location location-instance)))
                                                                                                                                                                                                                                                                                                                                                                          (defun locations-dialog-display-on-click (dialog widget)
  (declare (ignore-f-unused dialog widget))
  (let ((location-list nil))
  (setf location-list
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    city
                                        ((location-info-dialog
:accessor location-info-dialog
:initform nil))
(defclass locations-dialog (dialog)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ;(closé dialog)
(select-window (location-info))
t)
```

(in-package :common-graphics-user)

;;; locations-dialog.cl

;; Code for the dialog :yellow-pages

(in-package :common-graphics-user) (defclass yellow-pages-dialog (dialog)

```
dinocatenate 'string
(concatenate 'string
(printname (eval x)) ", "
(current-location (eval (string-to-symbol (assignment (eval x)))) ", "
(current-location (eval (string-trim '(#\Space) cdts) "")
(if (equal (string-trim '(#\Space) cdts) "")
(concatenate 'string "(" (princ-to-string (length (consults (eval x))) " " (if (= (length (consults (eval x))) 1) "consult"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (string-to-symbol (latitude (eval (string-to-symbol (assignment (eval x)))))
(string-to-symbol (longitude (eval (string-to-symbol (assignment (eval x)))))))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (let* (referring-location (dialog-field dialog :yellow-pages-referring-location-value))

(all-facilities (find-facilities referring-location))

(facilities (find-facilities referring-location))

(facilities (if clingth all-facilities) 1) (list (car all-facilities)) all-facilities))

(service (dialog-field dialog :yellow-pages-service-value))

(modality (dialog-field dialog :yellow-pages-modality-value))

(loritude (latitude (eval (car facilities))))

(longitude (longitude (eval (car facilities))))

(loc-latitude (if latitude (string-to-symbol latitude) (string-to-symbol (longitude pittsburgh-pa))))

(specialty (string (dialog-field dialog :yellow-pages-specialty-value)))

(cdts (dialog-field dialog :yellow-pages-specialty-value))

(specialty-from-cdts (member (specialty-type cdts)

("Endodontics" "Oral_Surgery" "Periodontics") :test #'equal)))

"pediatric_Dentistry" "Periodontics") :test #'equal))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (bubble-sorter specialists-list
#'(lambda (x) (length (consults-with-specific-cdts (eval x) cdts)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (list-to-string (consults-with-specific-cdts (eval x) cdts))))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (find-widget :yellow-pages-specialist-list dialog))
(eval (setf (range yellow-pages-specialist-list) (quote ,specialists-and-info))))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ((equal sort-by "Distance")
(bubble-sorter specialists-list
    #'(lambda (x) (distance-between)
(defun yellow-pages-dialog-find-button-on-click (dialog widget)
  (declare (ignore-if-unused dialog widget))
  (if (equal (dialog-field dialog :yellow-pages-referring-location-value) "")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 loc-longitude
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        loc-latitude
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (specialists-and-info (mapcar #'(lambda (x)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ((=>,#
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (specialists-list (remove nil
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "consults") ")")
```

```
(mapcar #'(lambda (x) (list (string-trim '(#\Space) (list-to-string (procedure-codes (eval x))))) consult-list
                                                                                                                                          (if (> (length (string-to-list cdt-string)) 1)
   (if (member cdt-string x :test #'equal) (position x cdt-lists))
   (if (member cdt-string (string-to-list (list-to-string x)) :test #'equal) (position x cdt-lists))))
;(pprint consult-list)
;(pprint cdt-lists)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (subseq (value specialist-list) 0 (search "," (value specialist-list)))))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (let* ((all-facilities (find-facilities new-value))
  (facilities (if > (length all-facilities))
  (latitude (latitude (eval (car facilities))))
  (longitude (longitude (eval (car facilities))))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (eval `(set-dialog-field (yellow-pages-dialog) :yellow-pages-latitude-value ,latitude))
(eval `(set-dialog-field (yellow-pages-dialog) :yellow-pages-longitude-value ,longitude))
))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (defun yellow-pages-dialog-yellow-pages-location-value-on-change (widget new-value old-value)
(declare (ignore-if-unused widget new-value old-value))
(if (equal old-value new-value)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (defun yellow-pages-dialog-yellow-pages-cdts-outline-on-double-click (dialog widget)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (seff yellow-pages-cdts-outline widget)
(seff yellow-pages-cdts-outline widget)
(let ((new-cdt (subseq (dialog-field dialog :yellow-pages-cdts-value)))
(old-cdts (dialog-field dialog :yellow-pages-cdts-value)))
(set-dialog-field dialog :yellow-pages-cdts-value
(concatenate 'string old-cdts " " new-cdt)))
                                                                                                                                                                                                                                                                                                                                                                                                                    (mapcar #'(lambda (x) (nth x consult-list)) position-of-cdts)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (declare (ignore-if-unused dialog widget))
                                                                                                                                       :test #'equal))
                                                                                   (cdt-lists (remove nil
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  t); Accept the new value
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ŧ
```

```
(eval (set-dialog-field (specialist-info) :specialist-id-value (quote ,specialist-id)))

(eval (set-dialog-field (specialist-info) :doctor-specialty-value ,specialist-id))

(setf specialist-list-of-consults (specialist-info)))

(setf (range specialist-list-of-consults) list-of-consults)

(setf (specialist-list-of-consults) list-of-consults)

(setf (specialist-list-of-cid9s (find-widget :specialist-list-of-cid9s (specialist-list-of-cid9s))

(setf (range specialist-list-of-cid9s) diagnostic-codes)

(setf specialist-list-of-cid1s)

(setf specialist-list-of-cid1s)

(setf specialist-list-of-cid1s)

(setf specialist-list-of-cid1s)

(setf specialist-list-of-cid1s)

(setd-dialog-field (specialist-facilist-value (car (find-facilities specialist-location)))

(set-dialog-field (specialist-info) :specialist-facility-value (car (find-facilities specialist-assignment-value (specialist-assignment)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ;(close dialog)
(select-window (specialist-info))
t)
```

;; Code for the location-info :location-info

(in-package :common-graphics-user) (defclass location-info (dialog)

```
(defun facility-save-information-on-click (dialog widget))

(declare (ignore-if-unused dialog widget))

(declare (ignore-if-unused dialog widget))

(facility-squalo (string-to-symbol facility))

(string-to-symbol facility)

(string-to-symbol facility)

(string-dialog-field (location-info) : string-to-alue))

(string-dialog-field (location-info) : string-dialog)

(string-dialog-field (location-info) : string-alue))

(coded. (dialog-field (location-info) : string-to-alue))

(coded. (dialog-field (location-info) : declare : string-alue))

(coded. (dialog-field (location-info) : declare : d
```

```
(eval '(set-dialog-field (location-info) :service-value ""))
(eval '(set-dialog-field (location-info) :tiyp-value ""))
(eval '(set-dialog-field (location-info) :city-value ""))
(eval '(set-dialog-field (location-info) :state-value ""))
(eval '(set-dialog-field (location-info) :longitude-value ""))
(eval '(set-dialog-field (location-info) :longitude-value ""))
(eval '(set-dialog-field (location-info) :codel-value ""))
(eval '(set-dialog-field (location-info) :codel-value ""))
(eval '(set-dialog-field (location-info) :deployment-location-value ""))
(eval '(set-dialog-field (location-info) :modality-value ""))
```

;; Code for the e-board :e-board

(in-package :common-graphics-user)

```
(let ((codes (procedure-codes consult-instance)))
    (list-to-string (mapcar #'(lambda (x) (concatenate 'string (string x) " - " (gethash (string-to-symbol x) cdt-hash-table))) codes))))
;(list-to-string (explanation-of-procedure-codes consult-instance)))
                                                                                                                                                                                  (declare (ignore-if-unused dialog widget))
(let ((consult-list nil))
(setf consult-list nil))
(setf consult-list nil))
(setf consult-list)
(let* ((consult-list))
(consult-list)
(let* ((consult-list))
(consult-list)
(consult-list)
(patient-instance (eval (string-to-symbol (concatenate 'string "c" (subseq (value consult-list) 0 7)))))
(patient-instance (eval (string-to-symbol (patient-name consult-instance)))
(lastname (lastname patient-instance))
(firstname (firstname patient-instance))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; (images (images consult-instance))
(specialty (specialty consult-instance))
(diagnostic-codes (list-to-string (diagnostic-codes consult-instance)))
(procedure-codes (list-to-string (procedure-codes consult-instance)))
(explanation-of-specialty (list-to-string (explanation-of-specialty consult-instance)))
(explanation-of-diagnostic-codes (list-to-string (explanation-of-diagnostic-codes consult-instance)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (ssn (ssn patient-instance))
(sex (sex patient-instance))
(sex (sex patient-instance))
(military-status (princ-to-string (military-status patient-instance)))
(military-rank (military-rank patient-instance))
(phone-number (princ-to-string (phone-number patient-instance)))
(chone-phone-number (princ-to-string (nome-phone-number patient-instance)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (provisional-diagnosis (provisional-diagnosis consult-instance))
(fefering-id (refering-id consult-instance))
(frefering-military-rank (refering-military-rank consult-instance))
(frefering-lastname (refering-lastname consult-instance))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (encode-universal-time 0 0 0
  (nth 0 dor)
  (nth 1 dor)
  (nth 2 dor) *time-zone*)))))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (referring-firstname (referring-firstname consult-instance)) (referring-location (referring-location consult-instance)) (date-of-request (date-of-request consult-instance))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (date-of-request (if dor (string (date-from-universal-time
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           chief-complaints (chief-complaints consult-instance))
(history (history consult-instance))
                                                                                                                                         (defun e-board-list-of-consults-on-double-click (dialog widget)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (exam-findings (exam-findings consult-instance))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (mi (mi patient-instance))
(patient-id (id patient-instance))
(dob (dob patient-instance))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (explanation-of-procedure-codes
(defclass e-board (dialog)
                                                        6
```

```
(see-failogy-fied (consult-info-2): new-consult-female to)

(see-failogy-fied (consult-info-2): new-consult-female to)

(see-failogy-fied (consult-info-2): new-consult-female to)

(see-failogy-fied (consult-info-2): new-consult-military-rank-value (quote, information)

(see failogy-fied (consult-info-2): new-consult-military-rank-value (quote, information)

(sea failogy-fied (consult-info-2): new-consult-disposabilitary-rank-value (quote, information)

(sea failogy-fied (consult-info-2): new-consult-disposabilitary-rank-value (quote, information)

(sea failogy-fied (consult-info-2): new-consult-referring-disposabilitary-rank-value (quote, information)

(sea failogy-fied (consult-info-2): new-consult-referring-disposabilitary-rank-value (quote, information)

(sea failogy-fied (consult-info-2): new-consult-referring-lastname-value (quote, informing-site)

(sea failogy-fied (consult-info-2): new-consult-referring-lastname-value (quote, informing-site)

(sea failogy-fied (consult-info-2): new-consult-referring-military-rank-value (quote, informal-info-2): new-consult-referring-disposability (quote, informal-info-2): new-consult-referring-disposability (quote, informal-info-2): new-consult-referring-disposability (quote, informal-info-2): new-consult-referring-disposability (quote, informal-info-2): new-consult-referring-disposability-value (quote, informal-info-2): new-consult-referring-military-rank-value (quote, explanation-of-specialty)))

(eval 'set-dialog-field (consult-info-2): new-consult-capination-of-specialty)

(eval 'set-dialog-field (consult-info-2): new-consult-capination-of-specialty)

(eval 'set-dialog-field (consult-info-2): new-consult-capination-of-specialty-value (quote, explanation-of-specialty)

(eval 'set-dialog-field (consult-info-2): new-consult-explanation-of-specialty-value (quote, explanation-of-specialty)

(eval 'set-dialog-field (consult-info-2): new-consult-explanation-of-special (quote, special (quote, explanation-of-specialty)

(eval 'set-dialog-field (consult-info-2): new-consult-ex
                                          (diagnosis (diagnosis consultants (list-to-string (explanation-of-recommended-consultants consult-instance)))
(diagnosis (diagnosis consult-instance))
(suggested-treatment (suggested-treatment consult-instance))
(specialist-id (specialist-id consult-instance))
(specialist-rank (specialist-rank consult-instance))
(specialist-rank (specialist-rank consult-instance))
.(recommended-consultants (list-to-string (recommended-consultants consult-instance)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (eval (set-dialog-field (consult-info-2) :new-consult-firstname-value ,firstname))

(eval (set-dialog-field (consult-info-2) :new-consult-mi-value ,mi))

(eval (set-dialog-field (consult-info-2) :new-consult-lastname-value ,lastname))

(eval (set-dialog-field (consult-info-2) :new-consult-patient-id-value ,patient-id))

(eval (set-dialog-field (consult-info-2) :new-consult-son-value (quote ,dob)))

(eval (set-dialog-field (consult-info-2) :new-consult-ssn-value (quote ,ssn)))

(set-dialog-field (consult-info-2) :new-consult-male t)
                                                                                                                                                                                                                                                                                                                                                                                                                                                 (specialist-location (specialist-location consult-instance))
(date-of-visit-by-specialist (date-of-visit-by-specialist consult-instance))
(items (mapcar #'(lamd (x) (name x)) (dialog-items (consult-info))))
(urgency (urgency consult-instance))
                                                                                                                                                                                                                                                                                                                                                                                                       (specialist-firstname (specialist-firstname consult-instance))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (modality (modality consult-instance))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (select_window (consult-info-2))
t)
```

;; Code for the dialog :classify-dialogue

(in-package :common-graphics-user)
(defclass classify-dialog)

6

```
(setq class-string (classify-to-string consult-value-list); (string-to-clean-list (concatenate 'string (dialog-field (classify-dialog) :consult-value)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (set-dialog-field (classify-dialog) :class-scores-value class-string)
(set-dialog-field (classify-dialog) :predicted-specialty-value (string-to-symbol class-string)) ;(car (classify current-text words data))))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (declare (ignore-if-unused dialog widget))
(setq consult-value-list (string-to-clean-list (concatenate 'string (dialog-field (classify-dialog) :consult-value) " ENDOFSELECTION")))
(setq spec-score-list (classify consult-value-list words data))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (set-dialog-field (classify-dialog) :specialty1-value (car (car spec-score-list)))
(setq sig-words (sig-words-to-string (car (car spec-score-list)) consult-value-list data))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (if (not (equal "" (string-trim '(#\Space) (dialog-field (classify-dialog) :consult-value))))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (setq current-text (cddr (nth current-position test-consults)))
(setq current-specialty (cadr (nth current-position test-consults)))
(setq current-consult-id (car (nth current-position test-consults)))
(set-dialog-field (classify-dialog) :consult-value (list-to-string current-text))
(set-dialog-field (classify-dialog) :actual-specialty-value current-specialty)
(set-dialog-field (classify-dialog) :predicted-specialty-value "")
(set-dialog-field (classify-dialog) :consult-number-value "")
(set-dialog-field (classify-dialog) :consult-number-value current-consult-id)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (setq current-text (cddr (nth current-position test-consults)))
(setq current-specialty (cadr (nth current-position test-consults)))
(setq current-consult-id (car (nth current-position test-consults)))
(set-dialog-field (classify-dialog) :consult-value (list-to-string current-text))
(set-dialog-field (classify-dialog) :actual-specialty-value current-specialty)
(set-dialog-field (classify-dialog) :predicted-specialty-value "")
(set-dialog-field (classify-dialog) :consult-number-value "")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (if (< current-position (- (length test-consults) 1)) (incf current-position))</pre>
(defun menu-load-consults (dialog)
  (declare (ignore-if-unused dialog))
  (set-dialog-field (classify-dialog) :loading "Loading...")
  (load "E:/Working Files/Army/GGTS Development/Tdent/test-consults.cl")
  (set-dialog-field (classify-dialog) :loading "")
  t)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (defun classify-dialog-classify-button-on-click (dialog widget)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (defun classify-dialog-right-button-on-click (dialog widget)
  (declare (ignore-if-unused dialog widget))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (defun classify-dialog-left-button-on-click (dialog widget)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (if (> current-position 0) (decf current-position))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (declare (ignore-if-unused dialog widget))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ENDOFSELECTION"))))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (progn
```

```
(set-dialog-field (classify-dialog) :specialty3-value (car (caddr spec-score-list)))
(setq sig-words (sig-words-to-string (car (caddr spec-score-list)) consult-value-list data))
(setq sig-word-list (significant-words (car (caddr spec-score-list)) consult-value-list data))
(set-dialog-field (classify-dialog) :sig-words-value-3 sig-words);(sig-words-to-string (car (caddr spec-score-list)) consult-value-list data))
(set-dialog-field (classify-dialog) :num-sig-words-3-value (length sig-word-list))
                                                                                                                                                                                                                (set-dialog-field (classify-dialog) :specialty2-value (car (cadr spec-score-list)))
(setq sig-words (sig-words-to-string (car (cadr spec-score-list)) consult-value-list data))
(setq sig-word-list (significant-words (car (cadr spec-score-list)) consult-value-list data))
(set-dialog-field (classify-dialog) :sig-words-value-2 sig-words) (sig-words-to-tring (car (cadr spec-score-list)) consult-value-list data))
(set-dialog-field (classify-dialog) :num-sig-words-2-value (length sig-word-list)-
                                                    (set-dialog-field (classify-dialog) :sig-words-value-1 sig-words) :(sig-words-to-string (car (car spec-score-list)) consult-value-list data))
(set-dialog-field (classify-dialog) :num-sig-words-1-value (length sig-word-list))
sig-word-list (significant-words (car (car spec-score-list)) consult-value-list data))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (dolist (spec spec-score-list)
  (setq return-string (concatenate 'string return-string (list-to-string spec)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (defun classify-dialog-consult-value-on-change-1 (widget new-value old-value)
  (declare (ignore-if-unused widget new-value old-value))
  (clear-all-but-consult-value)
  t); Accept the new value
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              )
(progn
(set-dialog-field (classify-dialog) :class-scores-value "")
(set-dialog-field (classify-dialog) :predicted-specialty-value "")
)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (defun clear-all-but-consult-value ()

(set-dialog-field (classify-dialog) :specialty1-value "")

(set-dialog-field (classify-dialog) :specialty3-value "")

(set-dialog-field (classify-dialog) :specialty3-value "")

(set-dialog-field (classify-dialog) :num-sig-words-1-value "")

(set-dialog-field (classify-dialog) :num-sig-words-2-value "")

(set-dialog-field (classify-dialog) :sig-words-value-1 "")

(set-dialog-field (classify-dialog) :sig-words-value-2 "")

(set-dialog-field (classify-dialog) :sig-words-value-2 "")

(set-dialog-field (classify-dialog) :sig-words-value-3 "")

(set-dialog-field (classify-dialog) :predicted-specialty-value "")

(set-dialog-field (classify-dialog) :consult-number-value "")

(set-dialog-field (classify-dialog) :actual-specialty-value "")

(set-dialog-field (classify-dialog) :actual-specialty-value "")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  :predicted-specialty-value "")
:consult-number-value "")
:actual-specialty-value "")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (setq return-string NIL)
(setq spec-score-list (classify text words data))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (defun classify-to-string (text)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        return-string)
```

(defun classify-dialog-load-consults-button-on-click (dialog widget)
(declare (ignore-if-unused dialog widget))
(set-dialog-field (classify-dialog) :loading "Loading...")
(load "E:/Working Files/Army/GGTS Development/Ident/test-consults.cl")
(classify-dialog-left-button-on-click dialog widget)
(set-dialog-field (classify-dialog) :loading "")

```
0
(/ (dataset-class-count CLASS DATASET) (dataset-number-of-items DATASET))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (pushnew word (dataset-words ds))
  (if (gethash (list class word) (dataset-class-word-counts ds))
        (incf (gethash (list class word) (dataset-class-word-counts ds)))
        (serf (gethash (list class word) (dataset-class-word-counts ds)) 1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (defun dataset-class-word-count (class word dataset)
  (gethash (list class word) (dataset-class-word-counts dataset) 0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (defun class-prior (CLASS DATASET)
(if (equal (dataset-number-of-items DATASET) 0)
                                                                                                                                                                                    (make-hash-table :test #'equal))
                                                                                                                   (make-hash-table :test #'eql))
NIL)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (incf (dataset-number-of-items ds))
; ) (format t "~A " (dataset-number-of-items ds))
; ) i do*
) ; with-open-file
) ; create-dataset
                                                                                                                                                                                                                                                (defun dataset-class-count (class dataset)
(gethash class (dataset-class-counts dataset) 0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (setq text (remove-duplicates text))
                                                                                                                                                                                                                                                                                                                                                                                                                         (defun item-class (item) (car item))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (defun item-text (item) (cdr item))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (dolist (word text)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ((null item) ds)
;;; Training datasets.
                                                                                                                                                                                      (class-word-counts
                                                                             (defstruct dataset
(number-of-items
                                                                                                                                              (class-counts
                                                                                                                            (classes
```

;;; classifier-code.lsp

```
)
(dolist (word SENT)
(format t "-A-%" word)
(dolist (class (dataset-classes DATA))
(format t "-A-%" (class-score class (list word) (dataset-words DATA) DATA))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (incf result (log (class-prior CLASS DATASET)))
(defun class-posterior-with-word (CLASS WORD DATASET)
    (/ (+ (dataset-class-word-count CLASS WORD DATASET) 1)
    (+ (dataset-class-count CLASS DATASET) 2))
                                                                                                                                                                                                                                                                                                                                            (setq result (/ result (length ITEM))); (format t "~A: ~A~%" class result)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (incf result (log (class-prior CLASS DATASET)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                )
(format t "CLASSIFIER SCORE~%")
(classify SENT (dataset-words DATA) DATA)
                                                                                                                                                                                                                                                                                                                                                                                                                                                      (defun all-scores (SENT DATA)
  (dolist (class (dataset-classes DATA))
        (format t "~A~%" class)
                                                                                                                                                                                                                                                                                                                                                                            ))
result
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   result
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ^
```

(defun classify (SENTENCE WORDS DATASET); MIN-PM)

```
(setq min+PW 5)
(setq min+PW 5)
(setq max/care 100000)
(ff sorr (Dunh (list currilass sorre)
))
(setq pm-list (list sas-list)
(dolist (class ass-list)
(dolist (class ass-list))
(setq pm-list with (assoc max/lass pm-list)))
(setq pm-list with (assoc max/lass pm-list)))
(setq pm-list with (lassoc max/lass pm-list))
(setq return-list with
)(sort pm-list with (lassoc max/lass pm-list)))
(setq return-list with (lassoc max/lass pm-list))
(sort pm-list (reverse return-list))
(sort pm-list (reverse return-list))
(sort pm-list (reverse return-list))
(sort pm-list (reverse return-list))
(sort pm-list (max/lass pm-list))
(sort pm-list)
```

```
(equal word 'PERIODHERE)
(equal word 'QUOTEHERE)
(equal word 'QUOTEHERE)
(equal word 'LEFTPARENHERE)
(equal word 'LEFTPARENHERE)
(equal word 'COLONHERE)
(equal word 'SENICOLONHERE)
(equal word 'STATCOLONHERE)
                                                                                                                                            (equal word 'AT)
(equal word 'BE)
(equal word 'ME)
(equal word 'YOU)
(equal word 'YOU)
(equal word 'PLEASE)
(equal word 'HAD)
(equal word 'HAD)
                                                                                                                                                                                                                                                                                                                                                                                                    )
return-list
)
```

```
(decf (dataset-number-of-items data))
(decf (gethash s-class (dataset-class-counts data)))
(dolist (word s-text-nd)
(dolist (decf (gethash (list s-class word) (dataset-class-word-counts data)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (setq score-list (classify s-text (dataset-words data) 
;(setq equ (- (nth 1 (car score-list)) (nth 1 (nth 5 score-list)))
(setq equ (nth 1 (car score-list)))
(if (< equ 2) (progn
(format t "~A" s-text)</pre>
(defun sig-words-to-string (class text data)
  (setq return-string NIL)
  (setq sig-word-list (significant-words class text data))
  (dolist (spec sig-word-list)
        (setq return-string (concatenate 'string return-string (list-to-string spec) "))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (seig s-text (cdr item))
(seig s-text-nd (remove-duplicates s-text))
(seig s-class (car item))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (read)
(setq minn equ)
(setq min-text s-text)
(format t "change: ~A~%" minn)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (setq pred-class (car (car score-list)))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (setq data (create-dataset file))
  (setq stats (make-hash-table :test #'equal))
  (setq x T)
  (setq n -l)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (progn
  (setq item (read-item ifile))
  (if (null item) (setq x NIL))
  (if x (progn
                                                                                                                                                                                                                                                                                                                              (defun definite-p (scores min-score)
(> (nth 1 (car scores)) min-score)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (with-open-file (ifile file)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (defun super-test (file)
(setq minn 100)
(setq min-text NIL)
                                                                                                                                                                                                       return-string
)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ;;;;;TEMP CODE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ;;; Testing.
```

;;; test-consults.cl

```
(in-package :common-graphics-user)
(defun create-test-consults (file)
   (setq test-consults NIL)
   (setq test-consults NIL)
   (setq test-consults NIL)
   (setq item (read-item ifile))
        (setq item (read-item ifile))
        (if (null item) (setq x NIL))
        (setq test-consults (reverse test-consults))
        )
        (setq data (create-dataset "E:/Working Files/Army/GGTS Development/TDent/conid-spec-text.txt")
   (setq data (create-dataset "E:/Working Files/Army/GGTS Development/TDent/even-test-information.txt"))
   (setq current-position 0)
   (setq current-text (cdr (nth current-position test-consults)))
   (setq current-specialty (car (nth current-position test-consults)))
   (setq current-specialty (car (nth current-position test-consults)))
```